

APPENDIX B3

SPECIATED TANK EMISSIONS



Idaho Asphalt Supply, Inc.
Blackfoot, Idaho Facility

Estimated Tank Emissions (lb/yr) ⁽¹⁾

Criteria Pollutants			Hazardous Air Pollutants																												
Tank ID	VOC	BRC?	Acetone	BRC?	Benzene	BRC?	MEK	BRC?	Carbon Disulfide	BRC?	Cyclohexane	BRC?	DETA	BRC?	Ethylbenzene	BRC?	Formaldehyde	BRC?	Hexane	BRC?	Isocane	BRC?	Methylene Chloride	BRC?	Styrene	BRC?	Toluene	BRC?	Trimethylbenzene	Total Xylene	
	AP-42 EF: ⁽⁴⁾		0.055%		0.032%		0.039%		0.016%		ND		ND		0.038%		0.69%		0.10%		0.00031%		0.00027%		0.0054%		0.052%		ND	note 5	
Asphalt Cements																															
4	372.16	yes	0.20	yes	0.12	yes	0.15	yes	0.06	yes	ND	yes	ND	yes	0.14	yes	2.57	Level I	0.37	yes	0.00	yes	0.00	yes	0.02	yes	0.23	yes	ND	0.96	yes
5	372.16	yes	0.20	yes	0.12	yes	0.15	yes	0.06	yes	ND	yes	ND	yes	0.14	yes	2.57	Level I	0.37	yes	0.00	yes	0.00	yes	0.02	yes	0.23	yes	ND	0.96	yes
6	372.16	yes	0.20	yes	0.12	yes	0.15	yes	0.06	yes	ND	yes	ND	yes	0.14	yes	2.57	Level I	0.37	yes	0.00	yes	0.00	yes	0.02	yes	0.23	yes	ND	0.96	yes
7	110.72	yes	0.06	yes	0.04	yes	0.04	yes	0.02	yes	ND	yes	ND	yes	0.04	yes	0.76	Level I	0.11	yes	0.00	yes	0.00	yes	0.01	yes	0.07	yes	ND	0.28	yes
8	110.72	yes	0.06	yes	0.04	yes	0.04	yes	0.02	yes	ND	yes	ND	yes	0.04	yes	0.76	Level I	0.11	yes	0.00	yes	0.00	yes	0.01	yes	0.07	yes	ND	0.28	yes
9	280.11	yes	0.15	yes	0.09	yes	0.11	yes	0.04	yes	ND	yes	ND	yes	0.11	yes	1.93	Level I	0.28	yes	0.00	yes	0.00	yes	0.02	yes	0.17	yes	ND	0.72	yes
10	110.72	yes	0.06	yes	0.04	yes	0.04	yes	0.02	yes	ND	yes	ND	yes	0.04	yes	0.76	Level I	0.11	yes	0.00	yes	0.00	yes	0.01	yes	0.07	yes	ND	0.28	yes
13	118.26	yes	0.07	yes	0.04	yes	0.05	yes	0.02	yes	ND	yes	ND	yes	0.04	yes	0.82	Level I	0.12	yes	0.00	yes	0.00	yes	0.01	yes	0.07	yes	ND	0.30	yes
14	118.26	yes	0.07	yes	0.04	yes	0.05	yes	0.02	yes	ND	yes	ND	yes	0.04	yes	0.82	Level I	0.12	yes	0.00	yes	0.00	yes	0.01	yes	0.07	yes	ND	0.30	yes
15	118.26	yes	0.07	yes	0.04	yes	0.05	yes	0.02	yes	ND	yes	ND	yes	0.04	yes	0.82	Level I	0.12	yes	0.00	yes	0.00	yes	0.01	yes	0.07	yes	ND	0.30	yes
16	114.53	yes	0.06	yes	0.04	yes	0.04	yes	0.02	yes	ND	yes	ND	yes	0.04	yes	0.79	Level I	0.11	yes	0.00	yes	0.00	yes	0.01	yes	0.07	yes	ND	0.29	yes
17	118.26	yes	0.07	yes	0.04	yes	0.05	yes	0.02	yes	ND	yes	ND	yes	0.04	yes	0.82	Level I	0.12	yes	0.00	yes	0.00	yes	0.01	yes	0.07	yes	ND	0.30	yes
18	114.53	yes	0.06	yes	0.04	yes	0.04	yes	0.02	yes	ND	yes	ND	yes	0.04	yes	0.79	Level I	0.11	yes	0.00	yes	0.00	yes	0.01	yes	0.07	yes	ND	0.29	yes
35	147.08	yes	0.08	yes	0.05	yes	0.06	yes	0.02	yes	ND	yes	ND	yes	0.06	yes	1.01	Level I	0.15	yes	0.00	yes	0.00	yes	0.01	yes	0.09	yes	ND	0.38	yes
36	131.78	yes	0.07	yes	0.04	yes	0.05	yes	0.02	yes	ND	yes	ND	yes	0.05	yes	0.91	Level I	0.13	yes	0.00	yes	0.00	yes	0.01	yes	0.08	yes	ND	0.34	yes
37	131.78	yes	0.07	yes	0.04	yes	0.05	yes	0.02	yes	ND	yes	ND	yes	0.05	yes	0.91	Level I	0.13	yes	0.00	yes	0.00	yes	0.01	yes	0.08	yes	ND	0.34	yes
38	147.08	yes	0.08	yes	0.05	yes	0.06	yes	0.02	yes	ND	yes	ND	yes	0.06	yes	1.01	Level I	0.15	yes	0.00	yes	0.00	yes	0.01	yes	0.09	yes	ND	0.38	yes
74	373.18	yes	0.21	yes	0.12	yes	0.15	yes	0.06	yes	ND	yes	ND	yes	0.14	yes	2.57	Level I	0.37	yes	0.00	yes	0.00	yes	0.02	yes	0.23	yes	ND	0.96	yes
75	373.18	yes	0.21	yes	0.12	yes	0.15	yes	0.06	yes	ND	yes	ND	yes	0.14	yes	2.57	Level I	0.37	yes	0.00	yes	0.00	yes	0.02	yes	0.23	yes	ND	0.96	yes
320-1 ⁽²⁾	151.16	yes	0.08	yes	0.05	yes	0.06	yes	0.02	yes	ND	yes	ND	yes	0.06	yes	1.04	Level I	0.15	yes	0.00	yes	0.00	yes	0.01	yes	0.09	yes	ND	1.40	yes
2320-1 ⁽³⁾	4.77	yes	0.00	yes	0.00	yes	0.00	yes	0.00	yes	ND	yes	ND	yes	0.00	yes	0.03	yes	0.00	yes	0.00	yes	0.00	yes	0.00	yes	0.00	yes	ND	1.40	yes
Asphalt Emulsions (water-based)																															
44	1.34	yes	0.00	yes	4.29E-04	yes	0.00	yes	0.00	yes	ND	yes	ND	yes	0.00	yes	0.01	yes	0.00	yes	0.00	yes	0.00	yes	0.00	yes	0.00	yes	ND	0.00	yes
45	1.34	yes	0.00	yes	4.29E-04	yes	0.00	yes	0.00	yes	ND	yes	ND	yes	0.00	yes	0.01	yes	0.00	yes	0.00	yes	0.00	yes	0.00	yes	0.00	yes	ND	0.00	yes
46	1.34	yes	0.00	yes	4.29E-04	yes	0.00	yes	0.00	yes	ND	yes	ND	yes	0.00	yes	0.01	yes	0.00	yes	0.00	yes	0.00	yes	0.00	yes	0.00	yes	ND	0.00	yes
47	1.34	yes	0.00	yes	4.29E-04	yes	0.00	yes	0.00	yes	ND	yes	ND	yes	0.00	yes	0.01	yes	0.00	yes	0.00	yes	0.00	yes	0.00	yes	0.00	yes	ND	0.00	yes
48	1.34	yes	0.00	yes	4.29E-04	yes	0.00	yes	0.00	yes	ND	yes	ND	yes	0.00	yes	0.01	yes	0.00	yes	0.00	yes	0.00	yes	0.00	yes	0.00	yes	ND	0.00	yes
51	1.34	yes	0.00	yes	4.29E-04	yes	0.00	yes	0.00	yes	ND	yes	ND	yes	0.00	yes	0.01	yes	0.00	yes	0.00	yes	0.00	yes	0.00	yes	0.00	yes	ND	0.00	yes
52	1.34	yes	0.00	yes	4.29E-04	yes	0.00	yes	0.00	yes	ND	yes	ND	yes	0.00	yes	0.01	yes	0.00	yes	0.00	yes	0.00	yes	0.00	yes	0.00	yes	ND	0.00	yes
53	1.34	yes	0.00	yes	4.29E-04	yes	0.00	yes	0.00	yes	ND	yes	ND	yes	0.00	yes	0.01	yes	0.00	yes	0.00	yes	0.00	yes	0.00	yes	0.00	yes	ND	0.00	yes
54	1.34	yes	0.00	yes	4.29E-04	yes	0.00	yes	0.00	yes	ND	yes	ND	yes	0.00	yes	0.01	yes	0.00	yes	0.00	yes	0.00	yes	0.00	yes	0.00	yes	ND	0.00	yes
55	1.34	yes	0.00	yes	4.29E-04	yes	0.00	yes	0.00	yes	ND	yes	ND	yes	0.00	yes	0.01	yes	0.00	yes	0.00	yes	0.00	yes	0.00	yes	0.00	yes	ND	0.00	yes
Asphalt Emulsions (fuel-based)																															
49	2.479	yes	0.11	yes	26.64	no	0.08	yes	0.03	yes	293.55	yes	ND	yes	20.67	yes	1.42	Level I	578.08	yes	0.00	yes	0.00	yes	0.01	yes	193.22	yes	ND	88.77	yes
50	2.479	yes	0.11	yes	26.64	no	0.08	yes	0.03	yes	293.55	yes	ND	yes	20.67	yes	1.42	Level I	578.08	yes	0.00	yes	0.00	yes	0.01	yes	193.22	yes	ND	88.77	yes
Asphalt Cutback																															
2	740	yes	0.11	yes	2.98	Level I	0.08	yes	0.03	yes	ND	yes	ND	yes	1.29	yes	1.43	Level I	2.15	yes	0.00	yes	0.00	yes	0.01	yes	9.49	yes	4.98	10.87	yes
22	147	yes	0.02	yes	3.88	Level I	0.02	yes	0.01	yes	ND	yes	ND	yes	2.53	yes	0.28	yes	2.37	yes	0.00	yes	0.00	yes	0.00	yes	15.63	yes	14.31	22.54	yes
23	147	yes	0.02	yes	3.88	Level I	0.02	yes	0.01	yes	ND	yes	ND	yes	2.53	yes	0.28	yes	2.37	yes	0.00	yes	0.00	yes	0.00	yes	15.63	yes	14.31	22.54	yes
26	595	yes	0.11	yes	2.41	Level I	0.08	yes	0.03	yes	ND	yes	ND	yes	1.05	yes	1.43	Level I	1.77	yes	0.00	yes	0.00	yes	0.01	yes	7.65	yes	4.01	8.82	yes
28	595	yes	0.11	yes	2.41	Level I	0.08	yes	0.03	yes	ND	yes	ND	yes	1.05	yes	1.43	Level I	1.77	yes	0.00	yes	0.00	yes	0.01	yes	7.65	yes	4.01	8.82	yes

Estimated Tank Emissions (lb/yr) ⁽¹⁾

Tank ID	Criteria Pollutants			Hazardous Air Pollutants																							Total Xylene	Total benzene	Trimethyl- benzene	BRC?		
	VOC	BRC?	Acetone	BRC?	Benzene	BRC?	MEK	BRC?	Carbon Disulfide	BRC?	Cyclo- hexane	BRC?	DETA	BRC?	Ethyl- benzene	BRC?	Formal- dehy- de	BRC?	n- Hexane	BRC?	Iso- octane	BRC?	Methylene Chloride	BRC?	Styrene	BRC?					Toluene	BRC?
	AP-42 EF: ⁽⁴⁾				0.032%		0.039%		0.016%		ND		ND		0.038%		0.69%		0.10%		0.00031%		0.00027%		0.0054%						0.082%	
Additives/Fuels																																
A	4.58	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes		
B	47.08	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes		
G	0.06	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes		
J	0.06	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes		
K	0.06	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes		
3	14.28	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes		
12	1.45	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes		
19	1.61	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes		
20	1.69	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes		
24	15.05	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes		
25	78.57	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes		
27	78.57	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes		
29	513	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes		
68	1.61	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes		
69	1.61	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes	ND	yes		
Emissions Summary																																
Total (lb/yr)	11,845	NA	2.76	NA	71	NA	1.96	NA	0.80	NA	599	NA	1.09	NA	53.60	NA	34.63	NA	1.194	NA	0.02	NA	0.01	NA	0.27	NA	464	NA	43	269	NA	
Total (ton/yr)	5.92	NA	1.4E-03	NA	0.04	NA	9.8E-04	NA	4.0E-04	NA	0.30	NA	5.5E-04	NA	0.03	NA	1.7E-02	NA	0.59699	NA	7.8E-06	NA	6.78E-06	NA	1.4E-04	NA	0.23	NA	2.2E-02	0.13	NA	
Total (lb/hr)	1.35	NA	3.2E-04	NA	0.01	NA	2.2E-04	NA	9.2E-05	NA	0.07	NA	1.2E-04	NA	0.01	NA	4.0E-03	NA	0.1363	NA	1.8E-06	NA	1.5E-06	NA	3.1E-05	NA	0.05	NA	4.9E-03	0.03	NA	

Estimated Biofilter Emissions (lb/yr) ⁽²⁾

Criteria Pollutants			Hazardous Air Pollutants																				Total							
Biofilter ID	VOC	BRC?	Acetone	BRC?	Benzene	BRC?	MEK	BRC?	Carbon Disulfide	BRC?	Cyclohexane	BRC?	DETA	BRC?	Ethylbenzene	BRC?	Formaldehyde	BRC?	n-Hexane	BRC?	Isooctane	BRC?	Methylene Chloride	BRC?	Styrene	BRC?	Toluene	BRC?	Trimethylbenzene	Xylene
East Biofil	559	yes	0.3	yes	0.2	yes	0.2	yes	0.1	yes	0.0	yes	0.2	yes	0.3	yes	4	Level 1	0.6	yes	0.002	yes	0.002	yes	0.03	yes	0.4	yes	0.1	1.6
West Biofil	3,177	yes	1.7	yes	1.0	Level 1	1.2	yes	0.5	yes	0.0	yes	0.0	yes	1.2	yes	22	no	3.2	yes	0.010	yes	0.009	yes	0.17	yes	2.0	yes	0.0	8.2

Notes:

Significant - Emission levels listed in IDAPA 58.01.01.006.92 that are considered significant.

EL: Emission Screening Limit for hazardous air pollutants listed in IDAPA 58.01.01.585 and 586. If estimated emissions are less than EL air dispersion modeling is not required.

BRC: Below Regulatory Concern (IDAPA 58.01.01.221 and 223.01). 10 % of Significant levels for criteria pollutants and 10% of EL for hazardous air pollutants.

NA: Not Applicable

ND: Not determined/below detection.

(1) VOC emissions from storage tanks estimated utilizing TANKS 4.0. Speciation of VOC emissions from asphalt storage tanks (and asphalt cement portion of mixed products) estimated utilizing emission factors contained in Table 11.1-16 of AP-42 Chapter 11.1. Speciation of emissions from fuels and fuel additives based on available specification profiles and MSDS documents, where appropriate. (2) Biofilter emissions are composed of tank emissions routed to each filter. Shading is utilized on the table to denote which tanks are routed to which biofilter. No control efficiency is claimed for permitting purposes. Emissions are not additive (that is, emissions are released either from the individual tank or the through the biofilter).

(3) Tanks 320-1 and 230-1 are process tanks, not long-term storage tanks, emissions are not routed through biofilters. Currently referred to as Tanks CT and WT, respectively.

(4) Emission factors listed in Table 11.1-16 of AP-42, Chapter 11.1 (for asphalt cement products only). To calculate emission rate, the emission factor is multiplied by the estimated total VOC rate that was estimated using TANKS 4.0.

(5) Asphalt cement total xylene composition is 0.41% m/p-xylenes and 0.08% o-xylene.

APPENDIX C

LOADING RACK EMISSION ESTIMATES



Idaho Asphalt Supply, Inc.
Blackfoot, Idaho Facility

Product Loading Emissions Estimation ^(a)

Product	True Vapor Pressure (P) (psi)	Vapor Molecular Weight (M) (lb/lb-mole)	Average Liquid Temperature (T) (°R)	Calculated TOC Emission Factor (L _v) (lb/1000 gal)	Volume Transferred (gallons/yr)	TOC Emissions		
						(Ton/Year)	(lb/hr)	(g/s)
Asphalt Cement (AC) ^(b)	0.0092	105.00	789.67	0.02	22,187,146	2.5E-01	5.6E-02	7.1E-03
PMA ^(b)	0.0092	105.00	789.67	0.02	21,074,683	2.3E-01	5.3E-02	6.7E-03
Cationic Emulsion (w/ water) ^(c)	0.0092	105.00	659.67	0.01	26,313,742	1.4E-01	3.3E-02	4.1E-03
Cationic Emulsion (w/ fuel) ^(c)	NA	NA	NA	NA	2,518,352	9.2E-01	2.1E-01	2.6E-02
- AC component	0.0092	105.00	609.67	0.01	2,266,517	1.3E-02	3.1E-03	3.9E-04
- Naphtha component	7.31	80.00	609.67	7.17	251,835	9.0E-01	2.1E-01	2.6E-02
- Benzene Component	7.33	78.11	609.67	7.02	252	8.8E-04	2.0E-04	2.54E-05
Cutback (MC) ^(c)	NA	NA	NA	NA	6,324,311	1.5E+00	3.5E-01	4.4E-02
- AC component	0.0092	105.00	739.67	0.01	4,806,476	2.3E-02	5.4E-03	6.8E-04
- Kerosene component	1.5	130.00	739.67	1.97	1,517,835	1.5E+00	3.4E-01	4.3E-02
- Benzene component	61.44	78.11	739.67	48.51	51	1.2E-03	2.8E-04	3.57E-05
Total:					57,343,551	2.8	0.65	0.081

Notes: (a) Emissions from loading petroleum liquids estimated using the following equation: $L_v = 12.46 * S * P * M / T$
 (source: AP-42 Chapter 5.2, equation 1)
 (b) Overhead loading - splash fill, normal service (S=1.45 from Table 5.2.1 of AP-42 Chapter 5.2)
 (c) Overhead loading - submerged fill, normal service (S=0.6 from Table 5.2.1 of AP-42 Chapter 5.2)

Summary of Emissions from Loading Racks

Loading Rack	TOC (g/s)	Benzene (g/s)	Benzene (lb/hr)	BRC?
#8 (30% of Emulsion Loads)	9.1E-03	7.62E-06	6.05E-05	yes
#5 and #6 (70% of Emulsion Loads)	2.1E-02	1.78E-05	1.41E-04	Level I
#1 (AC loads)	7.1E-03	ND	ND	yes
#2 (30% of PMA Loads)	2.0E-03	ND	ND	yes
#4 (70% of PMA Loads)	4.7E-03	ND	ND	yes
#3 (100% of Cutback Loads)	4.4E-02	3.57E-05	2.84E-04	Level I

Note: The listed loading rack/tank scenarios are typical but routinely vary according to loading schedules, etc.

APPENDIX D

FUGITIVE DUST EMISSIONS FROM VEHICLE TRAVEL ON UNPAVED ROADS



Idaho Asphalt Supply, Inc.
Blackfoot, Idaho Facility

PM10 Emissions from Unpaved Roadways at the Facility ^a

Product Transported	Travel Distance ^b (ft)	Trucks/ year ^c	Distance/ year (mile/yr)	k ^d (lb/mile)	a	b	c	Silt Content (s) ^e (%)	Vehicle Weight (tons)	Dry Moisture Content ^f (%)	p ^g (days)	Average Vehicle Speed (S) (mph)	PM10 Emissions (lb/mile)	PM10 Emissions (lb)
AC	1,827	2,875	995	2.6	0.8	0.4	0.3	8.5	35.9	0.2	90	5	1.3	1,331
PMA	2,152	2,712	1,105	2.6	0.8	0.4	0.3	8.5	35.9	0.2	90	5	1.3	1,478
Emulsions	1,419	3,673	987	2.6	0.8	0.4	0.3	8.5	35.9	0.2	90	5	1.3	1,320
Cutback	2,105	1,263	503	2.6	0.8	0.4	0.3	8.5	35.9	0.2	90	5	1.3	673
Inventory	2,131	4,561	1,841	2.6	0.8	0.4	0.3	8.5	35.9	0.2	90	5	1.3	2,462
Total:														7,264

Notes:

- PM10 emissions from unpaved roads at the facility were estimated using equation 2 of AP-42 Ch. 13.2.2. $(E = (k(s/12)^a (W/3)^b) / (M_{dry} 0.2)^c) * ((365-p)/365)(S/15)$
- Travel distance is average of typical travel routes.
- Calculated by dividing total product throughput by truck capacity of 33.5 tons and assuming 1% of trucks require return trips.
- The empirical constants k, a, b, and c were from Table 13.2.2-2 of AP-42.
- Typical silt content of unpaved road surfaces at the facility from Table 13.2.2-1 of AP-42, mean value for a scraper route at a construction site.
- Moisture content of surface material under dry uncontrolled conditions (conservatively assumed equal to 0.2%)
- Number of days with 0.01 inch or more of precipitation (p) from Figure 13.2.2.1 of AP-42.

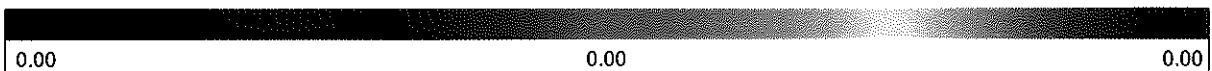
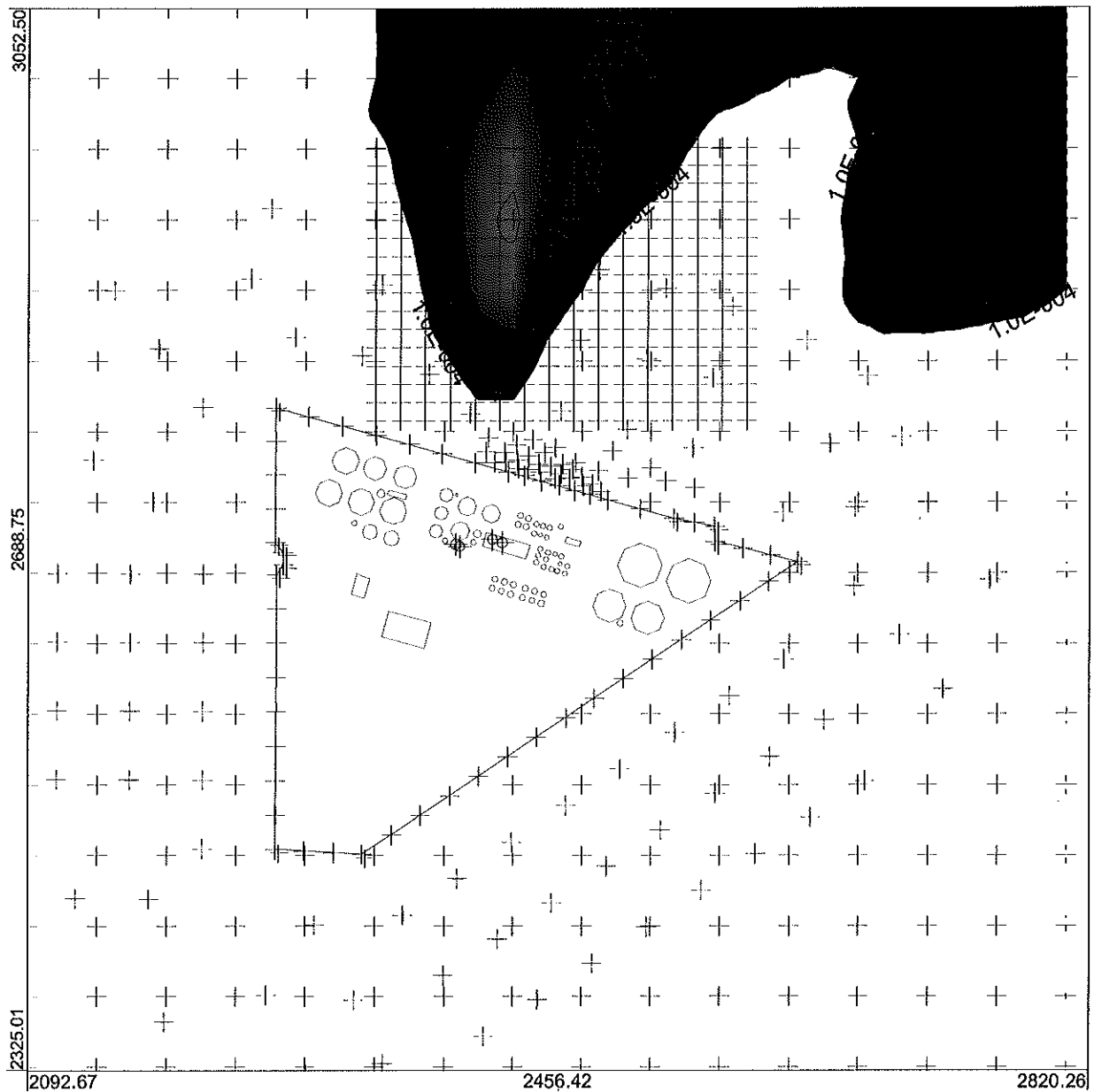
APPENDIX E


**AIR DISPERSION MODEL
GRAPHICAL OUTPUT**



Idaho Asphalt Supply, Inc.
Blackfoot, Idaho Facility

PROJECT NAME :
Idaho Asphalt Supply
 PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL

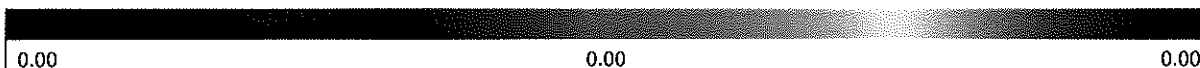
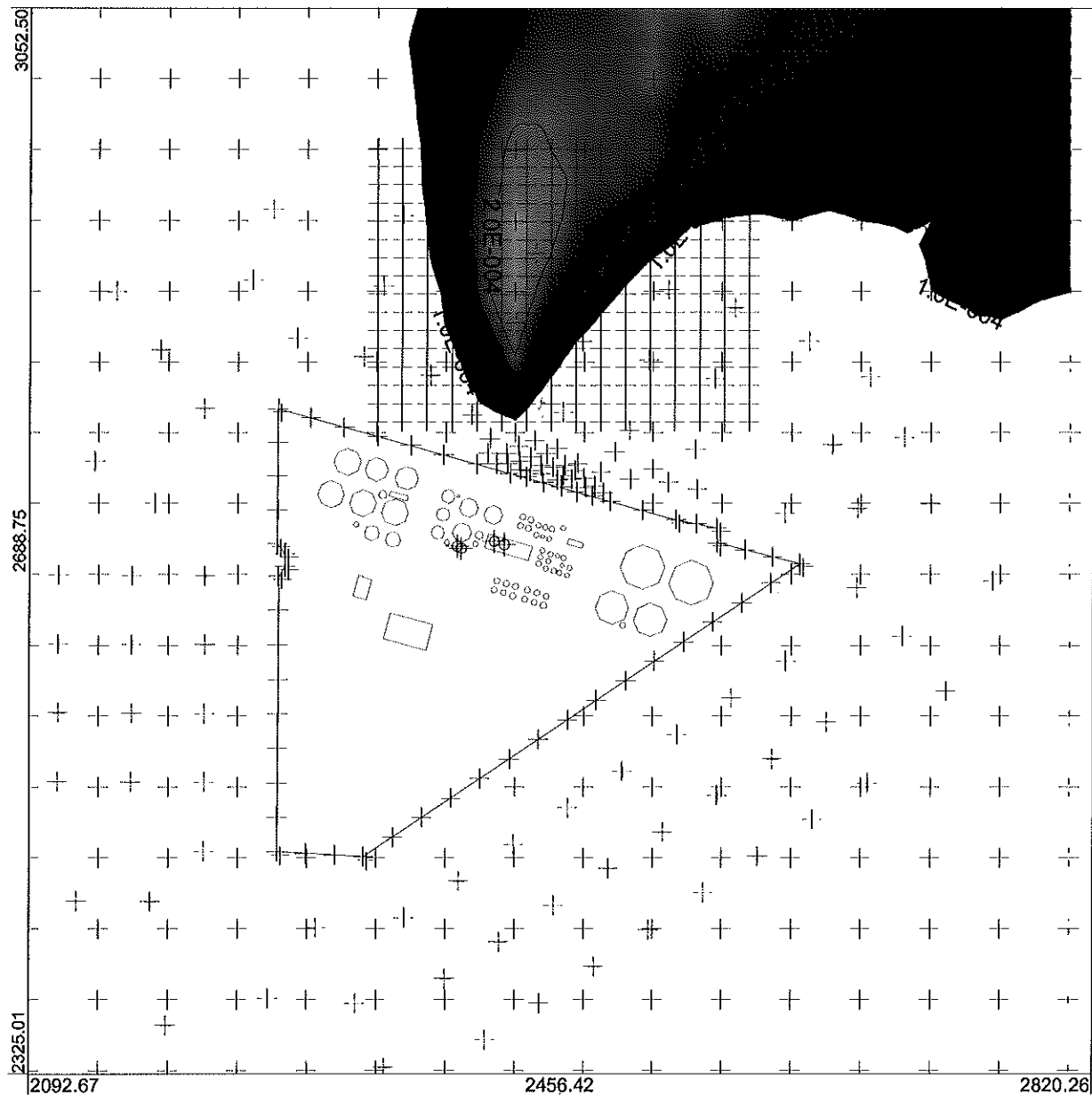


MODELING OPTIONS: CONC, RURAL, FLAT, DFAULT			COMPANY NAME : Millennium Science & Engineering, Inc.	
OUTPUT TYPE : CONC	RECEPTORS : 655	COMMENTS : 1987, As, annual	MODELER : Troy Riecke	0  0.1 km
MAX : 0.00021	UNITS : ug/m**3		DATE : 5/28/2006	PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL



MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1988, As, annual

MODELER :

Troy Riecke

0 0.1 km

MAX :

0.00023

UNITS :

ug/m**3

DATE :

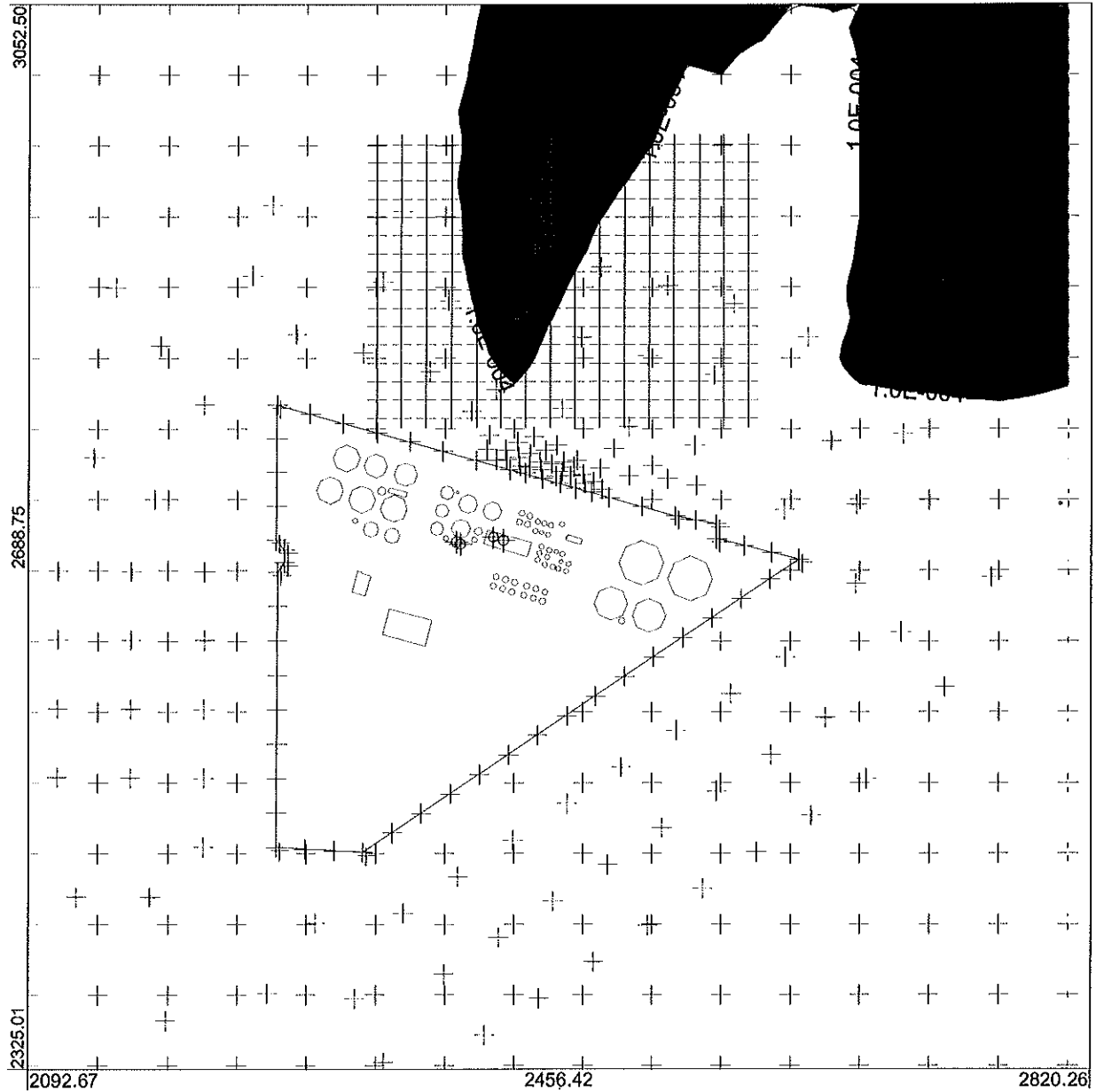
5/28/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL



MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1989, As, annual

MODELER :

Troy Riecke

0 0.1 km

MAX :

0.00016

UNITS :

ug/m**3

DATE :

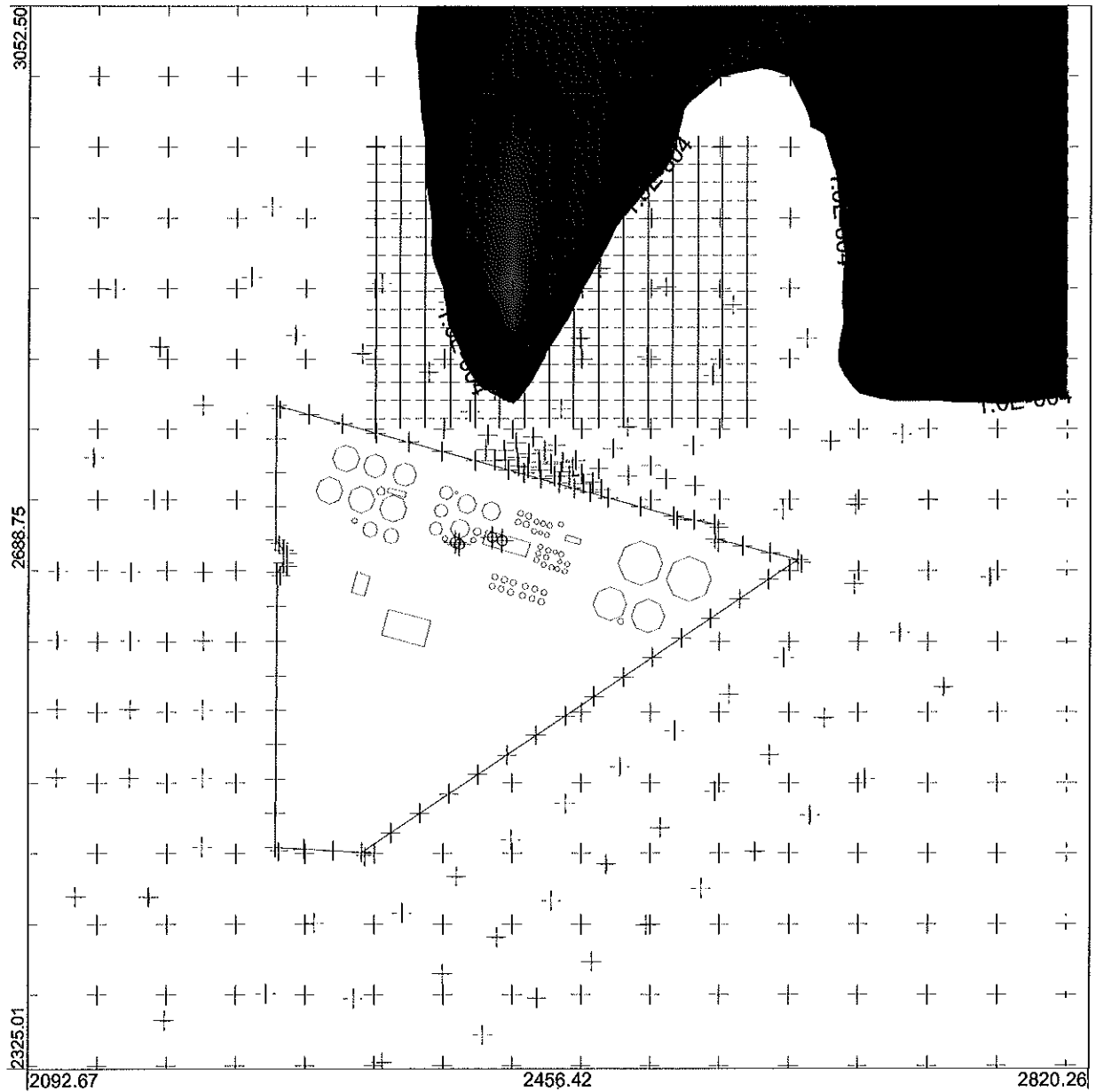
5/28/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL



MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1990, As, annual

MODELER :

Troy Riecke

0 0.1 km

MAX :

0.0002

UNITS :

ug/m**3

DATE :

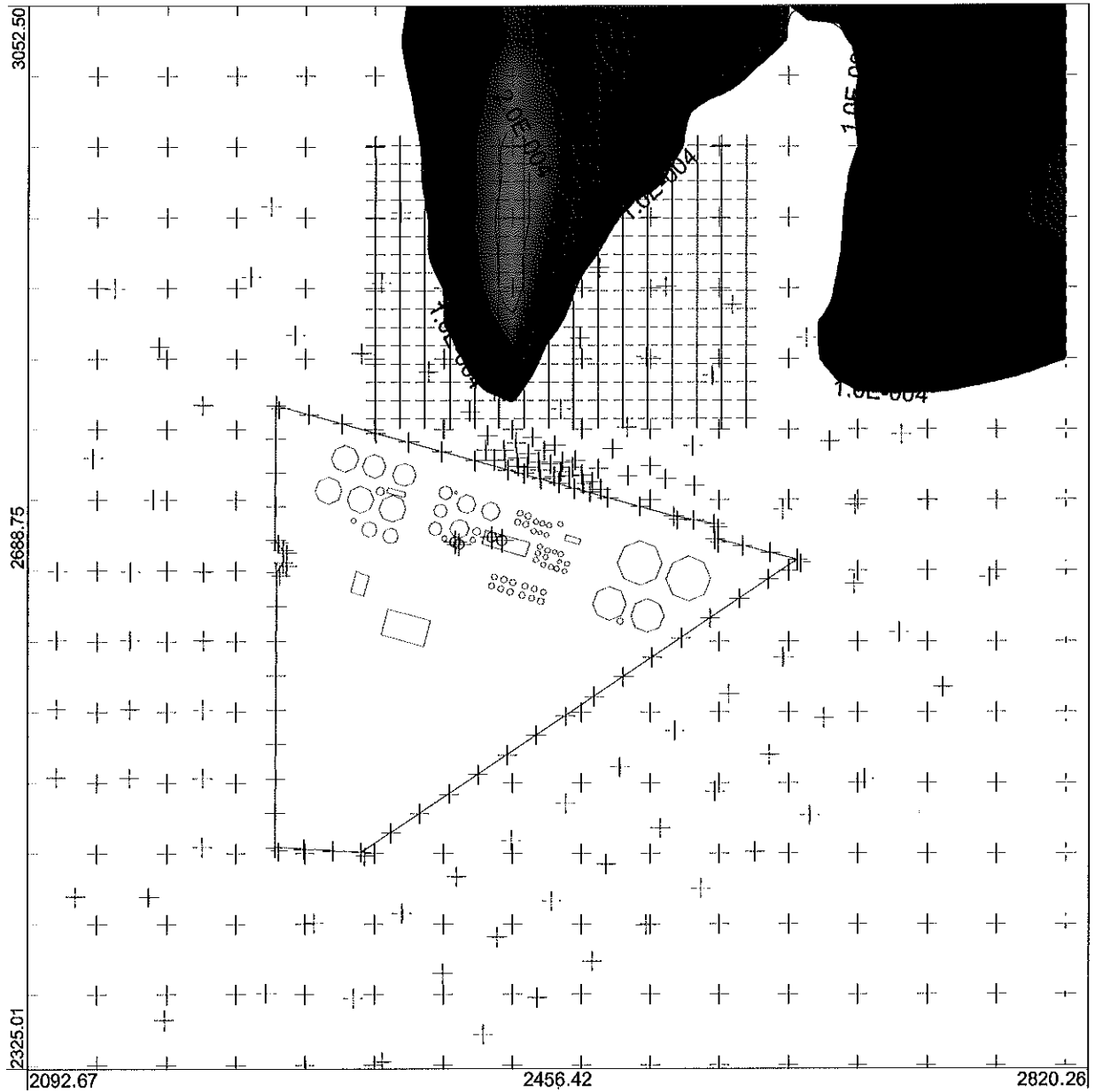
5/28/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL



0.00

0.00

0.00

MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1991, As, annual

MODELER :

Troy Riecke

0 0.1 km

MAX :

0.00022

UNITS :

ug/m**3

DATE :

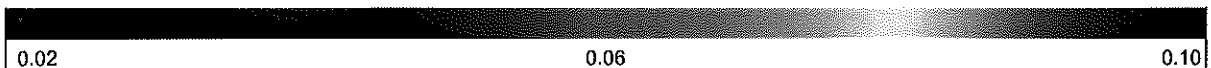
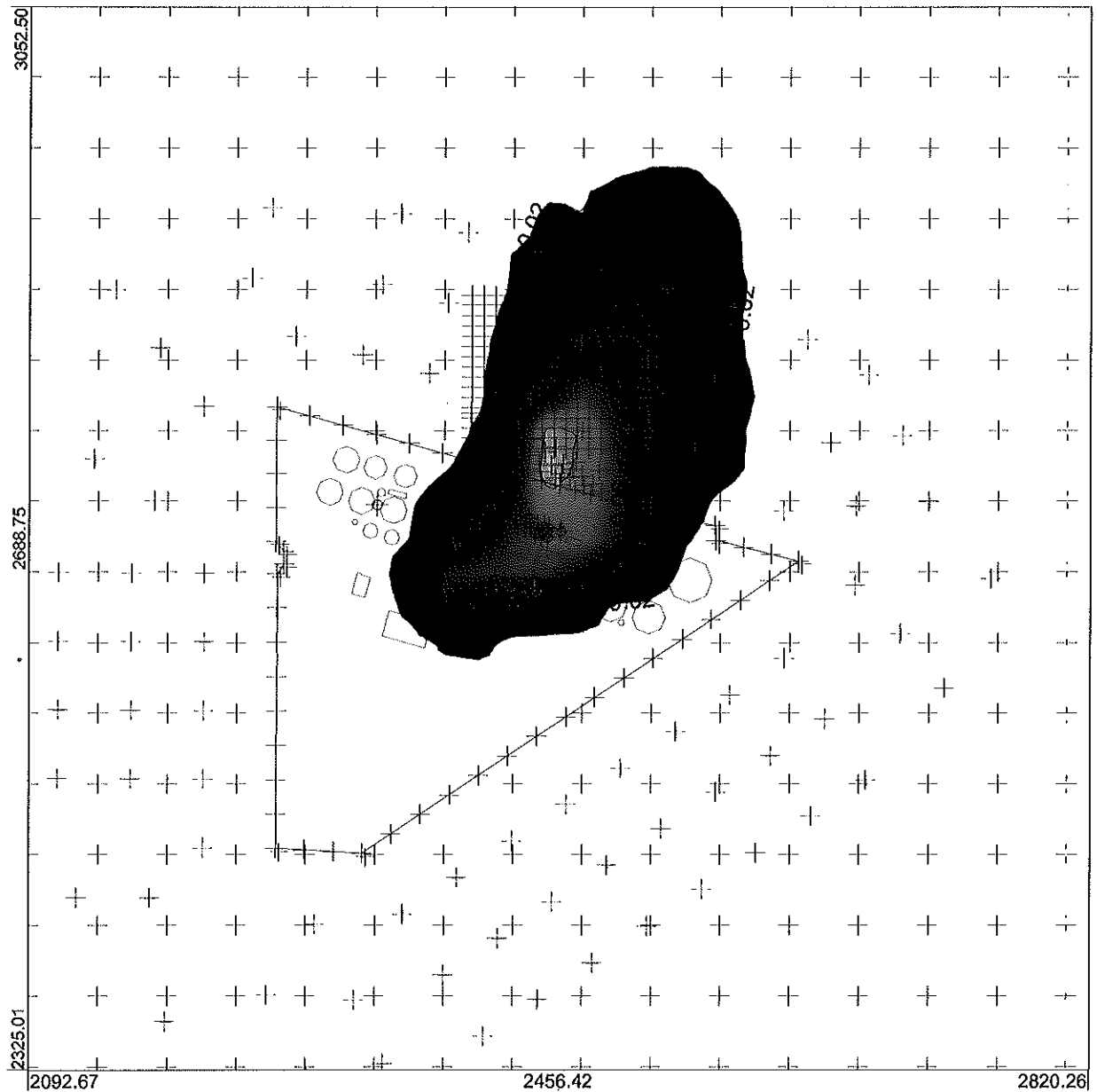
5/28/2006


PROJECT/PLOT NO. :

PROJECT NAME :

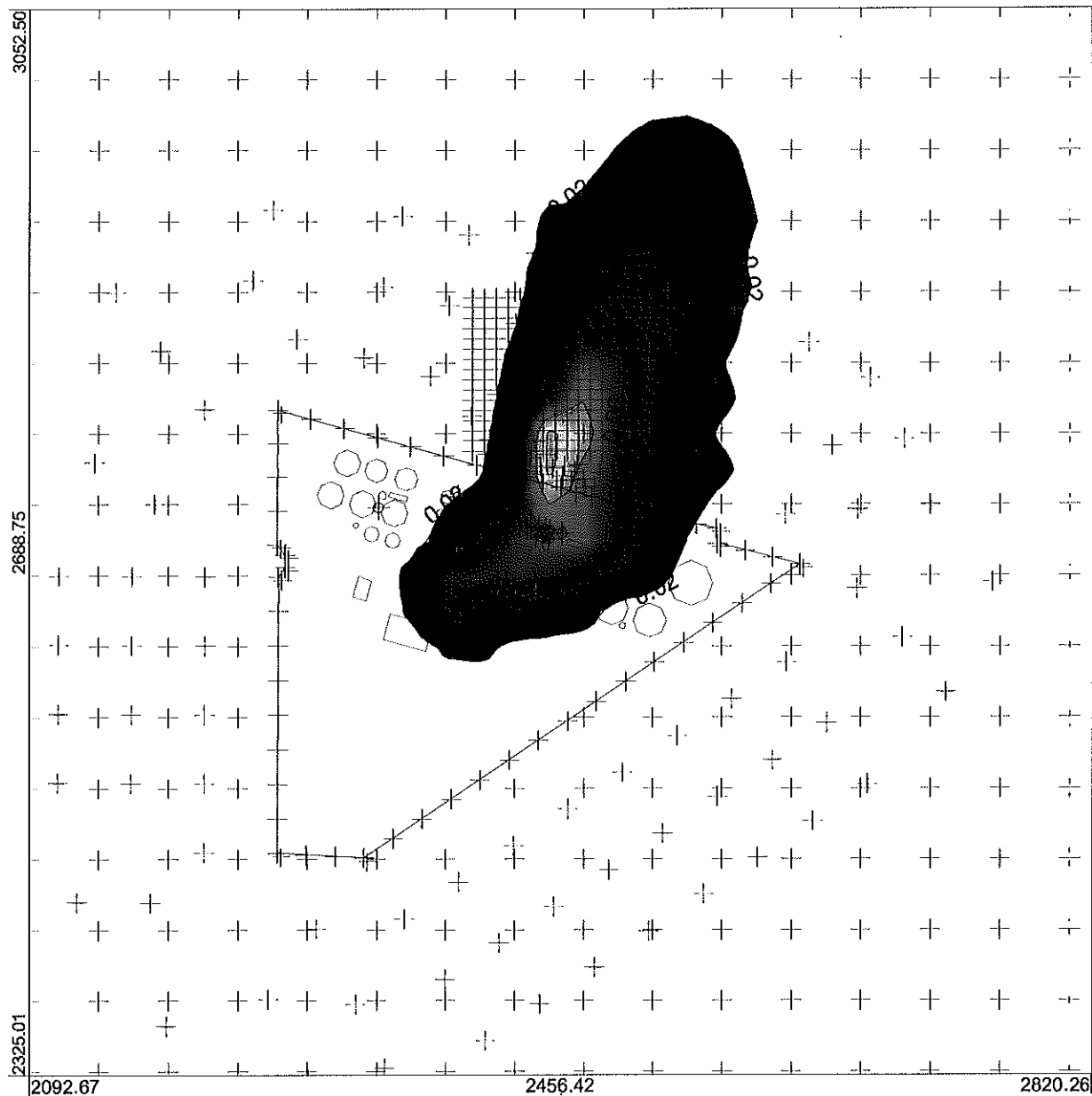
Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL




MODELING OPTIONS :			COMPANY NAME :	
CONC, RURAL, FLAT, DFAULT			Millennium Science & Engineering, Inc.	
OUTPUT TYPE :	RECEPTORS :	COMMENTS :	MODELER :	0  0.1 km
CONC	655		Troy Riecke	
MAX :	UNITS :		DATE :	PROJECT/PLOT NO. :
0.09206	ug/m**3		5/28/2006	

PROJECT NAME :
Idaho Asphalt Supply
 PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL



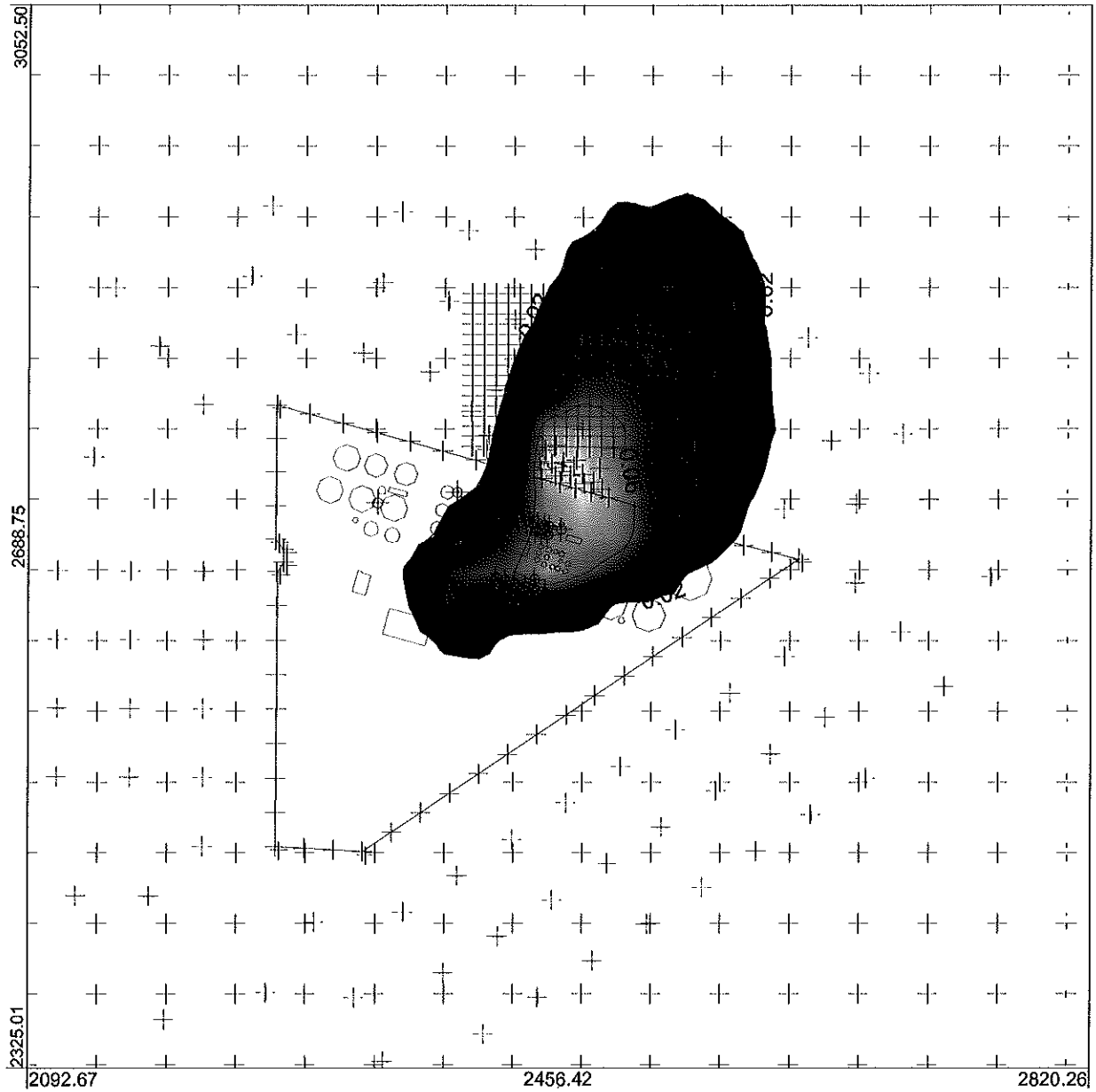
0.02 0.06 0.10

MODELING OPTIONS : CONC, RURAL, FLAT, DFAULT			COMPANY NAME : Millennium Science & Engineering, Inc.	
OUTPUT TYPE : CONC	RECEPTORS : 655	COMMENTS : 1988, benzene,bubbled	MODELER : Troy Riecke	0  0.1 km
MAX : 0.11046	UNITS : ug/m**3		DATE : 6/4/2006	PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL



0.02

0.06

0.08

MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1989, benzene, bubbled

MODELER :

Troy Riecke

0 0.1 km

MAX :

0.08493

UNITS :

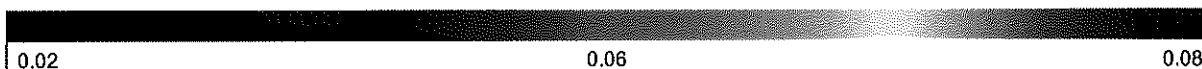
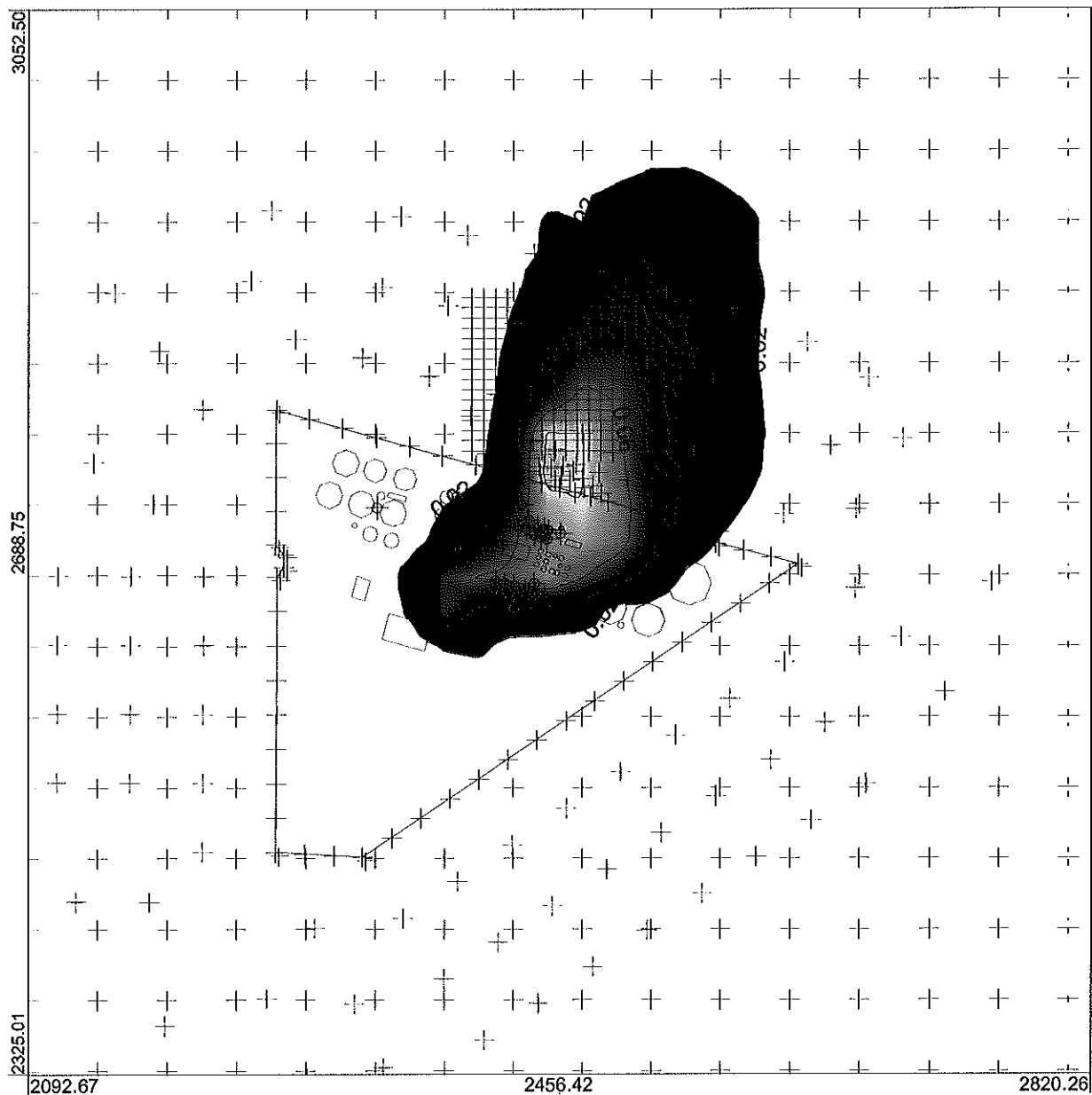
ug/m**3


DATE :

5/28/2006

PROJECT/PLOT NO. :

PROJECT NAME :
Idaho Asphalt Supply
 PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL

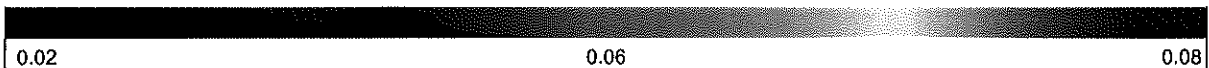
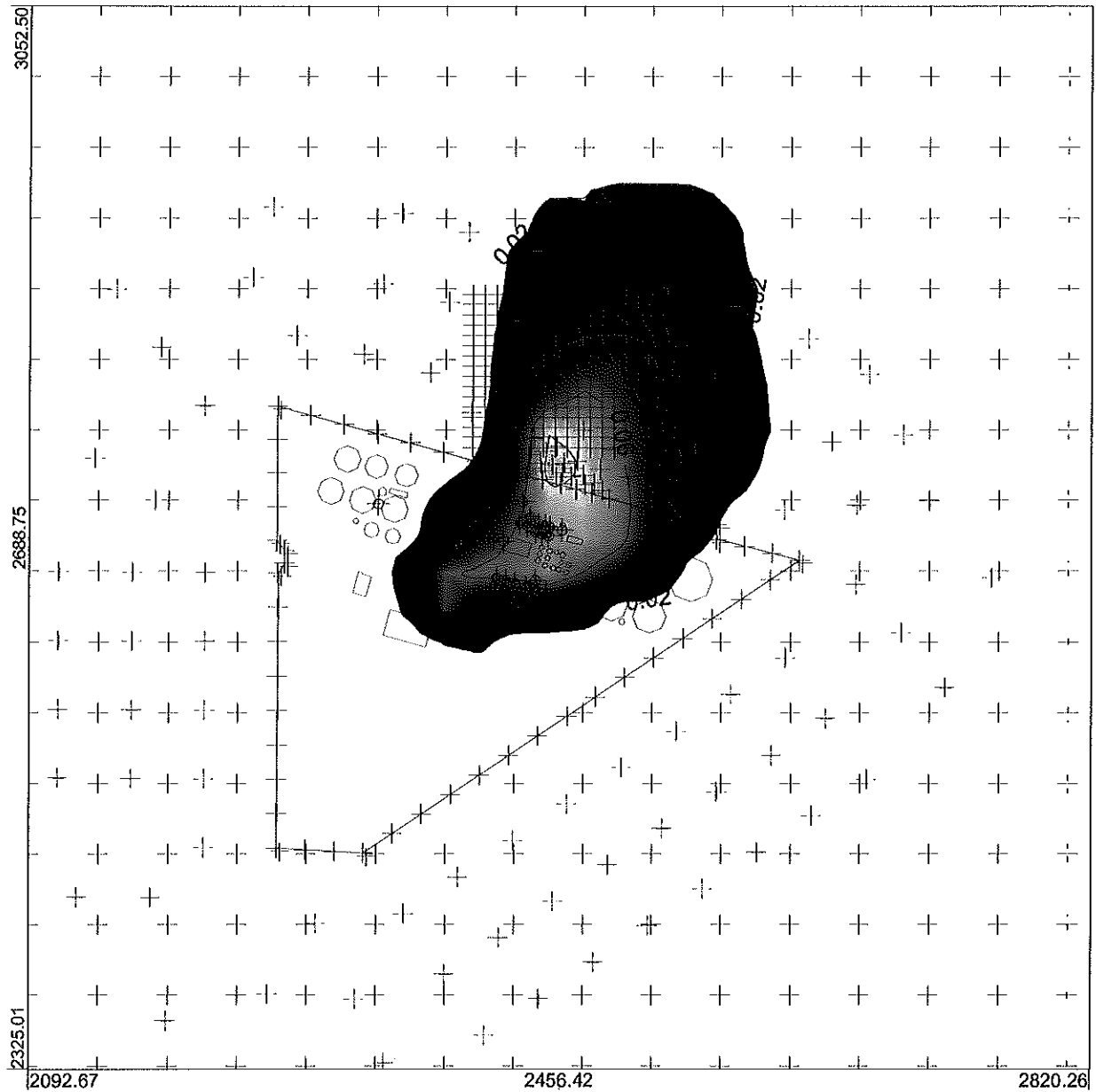



MODELING OPTIONS : CONC, RURAL, FLAT, DFAULT			COMPANY NAME : Millennium Science & Engineering, Inc.	
OUTPUT TYPE : CONC	RECEPTORS : 655	COMMENTS : 1990, benzene, bubbled	MODELER : Troy Riecke	0  0.1 km
MAX : 0.09054	UNITS : ug/m**3		DATE : 5/28/2006	PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL

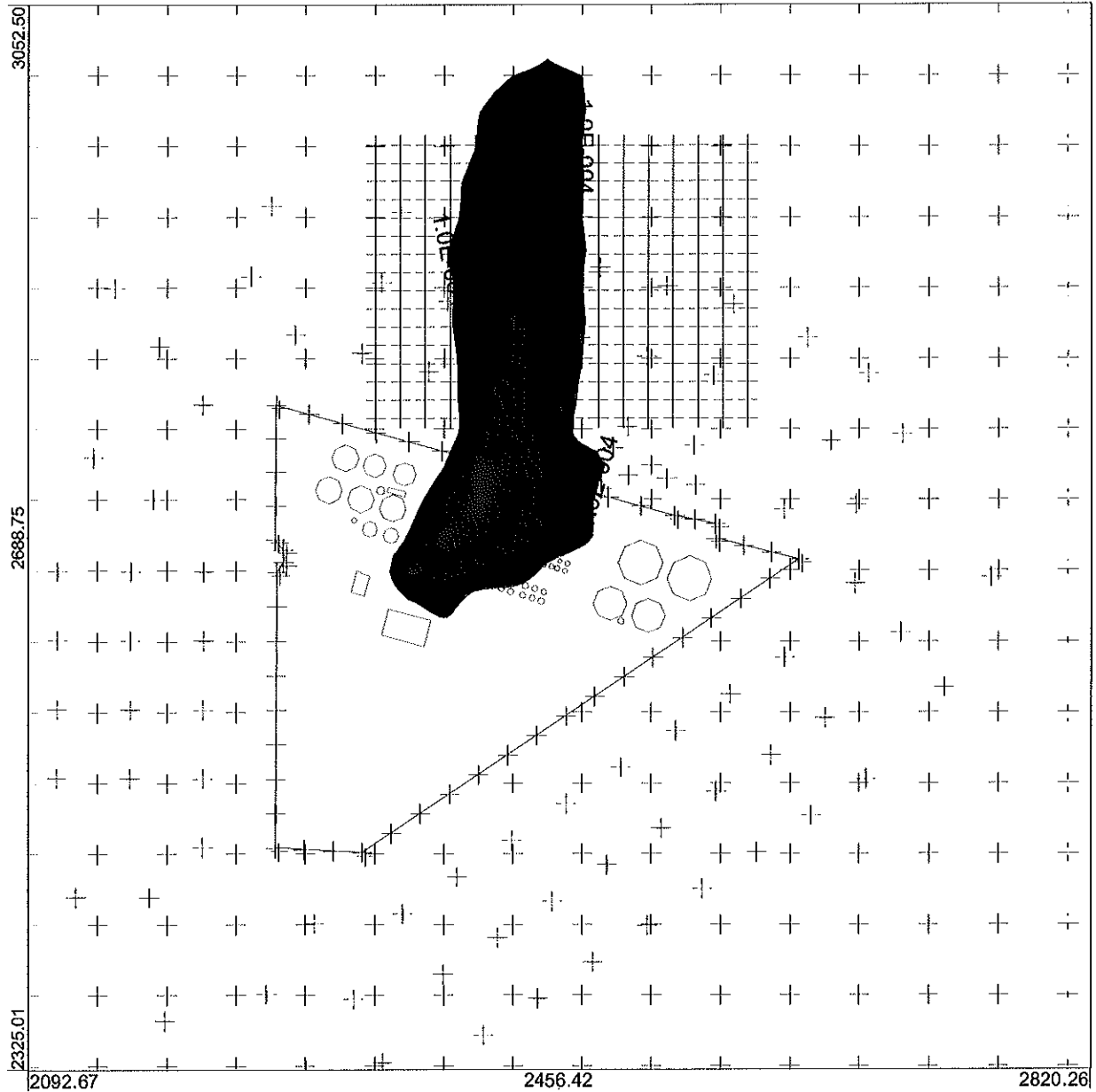


MODELING OPTIONS :			COMPANY NAME :	
CONC, RURAL, FLAT, DFAULT			Millennium Science & Engineering, Inc.	
OUTPUT TYPE :	RECEPTORS :	COMMENTS :	MODELER :	0  0.1 km
CONC	655		Troy Riecke	
MAX :	UNITS :		DATE :	PROJECT/PLOT NO. :
0.08824	ug/m**3		5/28/2006	

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL



0.00

0.00

0.00

MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1987, Cd, Annual

MODELER :

Troy Riecke

0  0.1 km

MAX :

0.0002

UNITS :

ug/m3**

DATE :

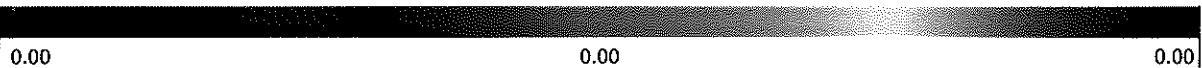
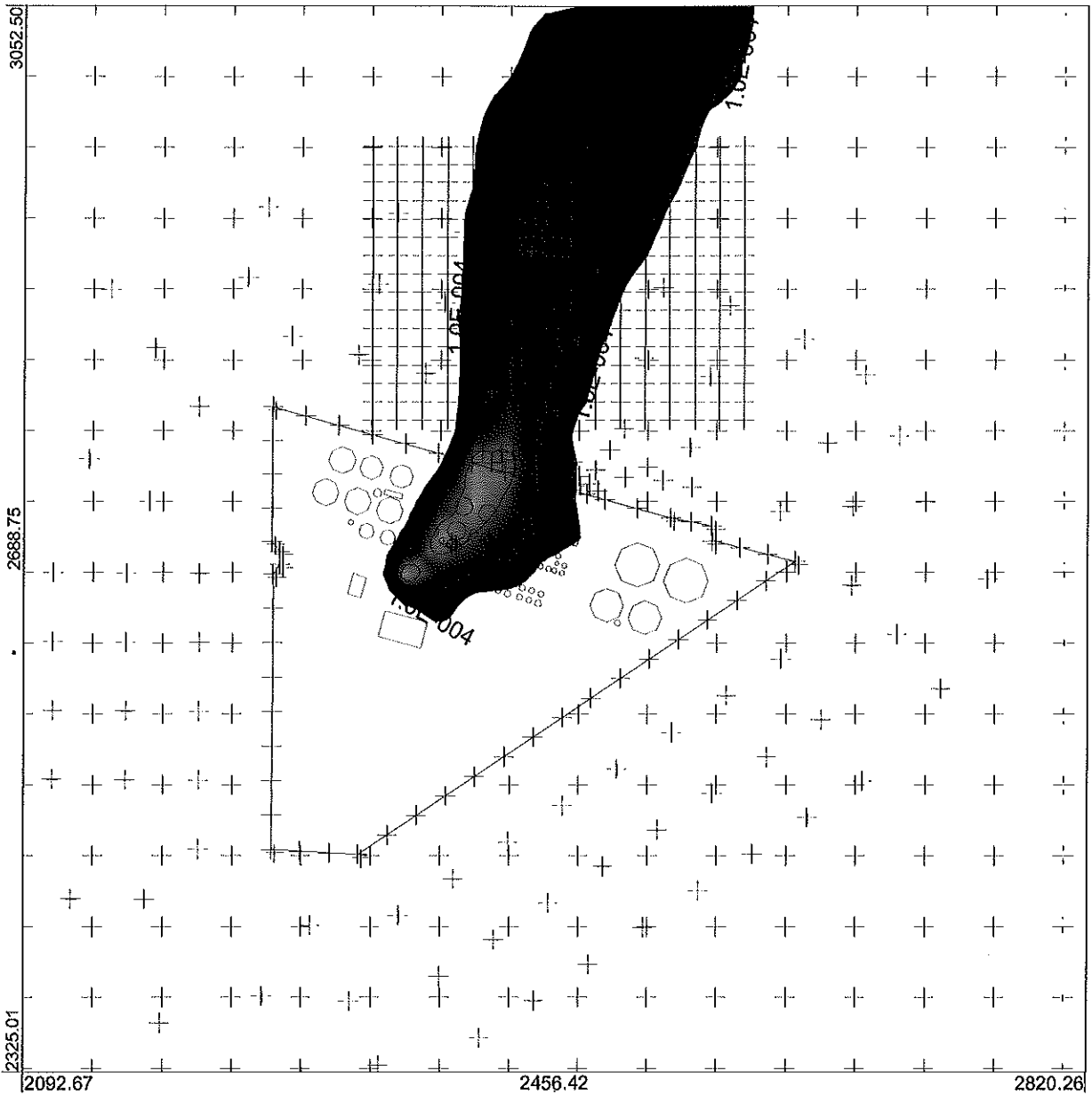
5/28/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL



MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1988, Cd, annual

MODELER :

Troy Riecke

0 0.1 km

MAX :

0.00025

UNITS :

ug/m**3

DATE :

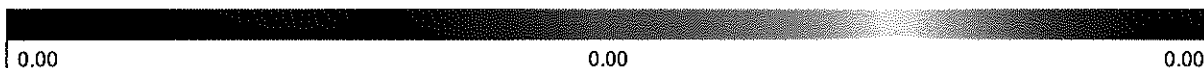
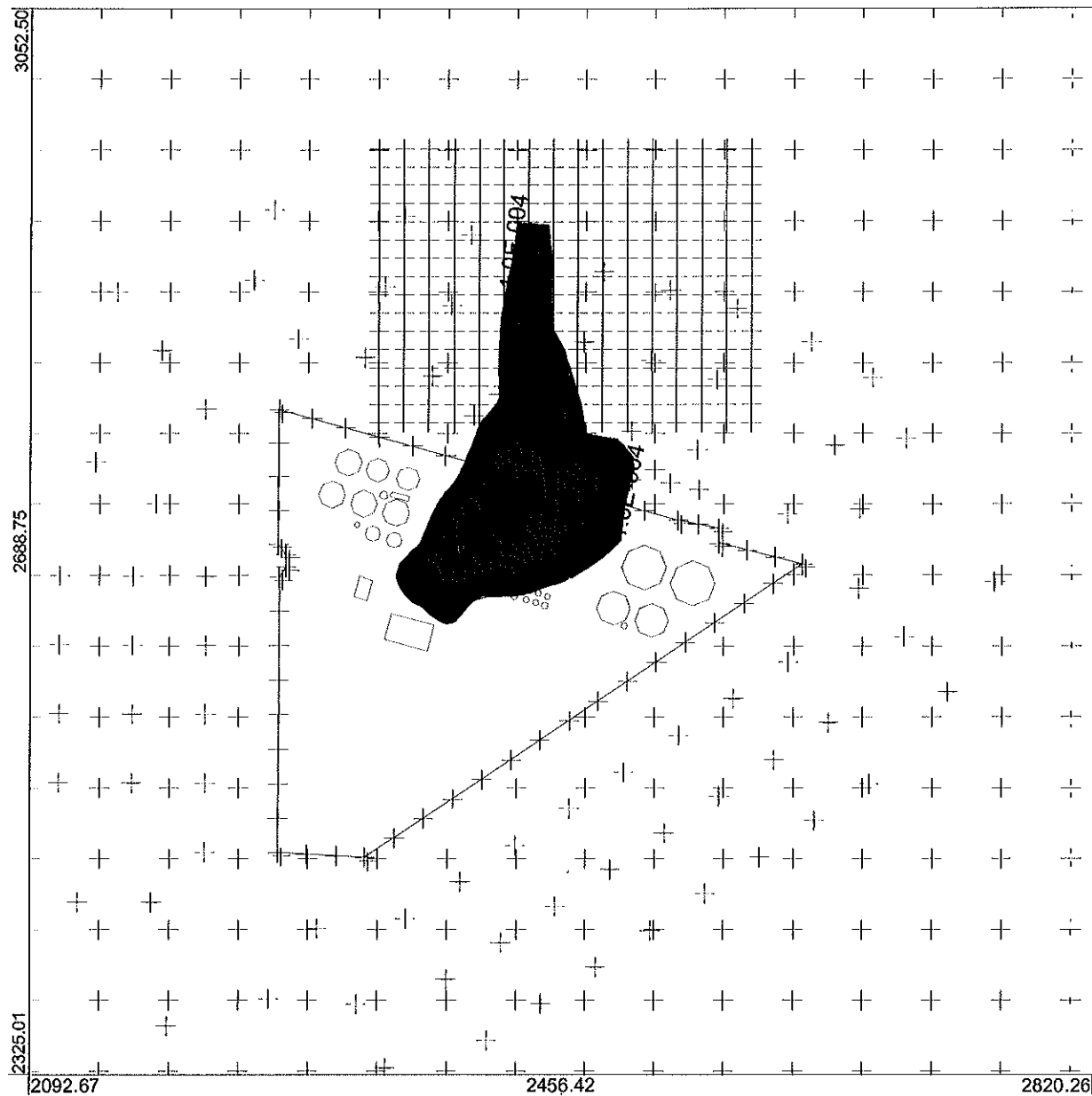
5/28/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL



MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1989, Cd, annual

MODELER :

Troy Riecke

0 0.1 km

MAX :

0.00019

UNITS :

ug/m3**

DATE :

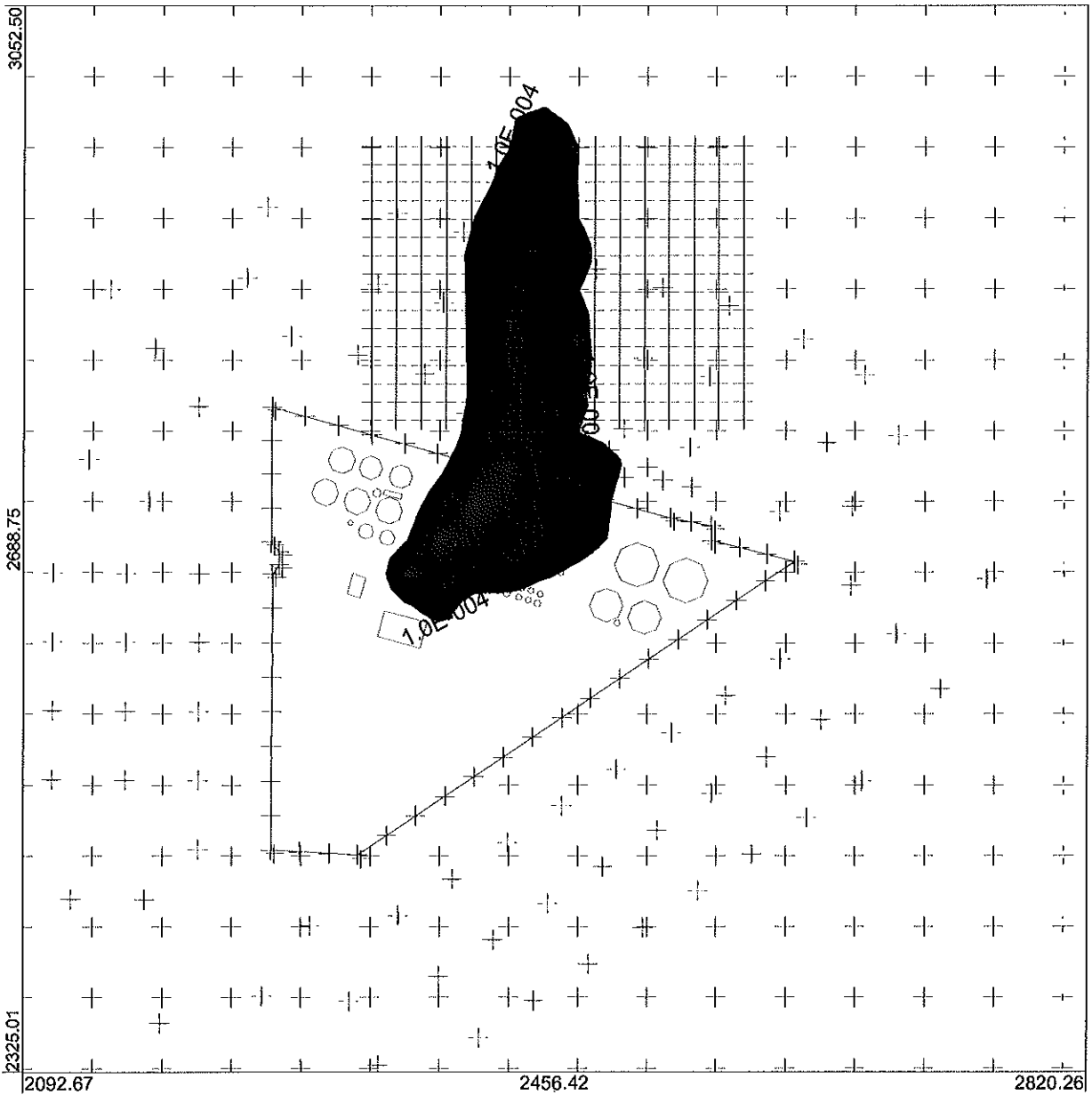
5/28/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL



MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1990, Cd, annual

MODELER :

Troy Riecke

0 0.1 km

MAX :

0.00021

UNITS :

ug/m**3

DATE :

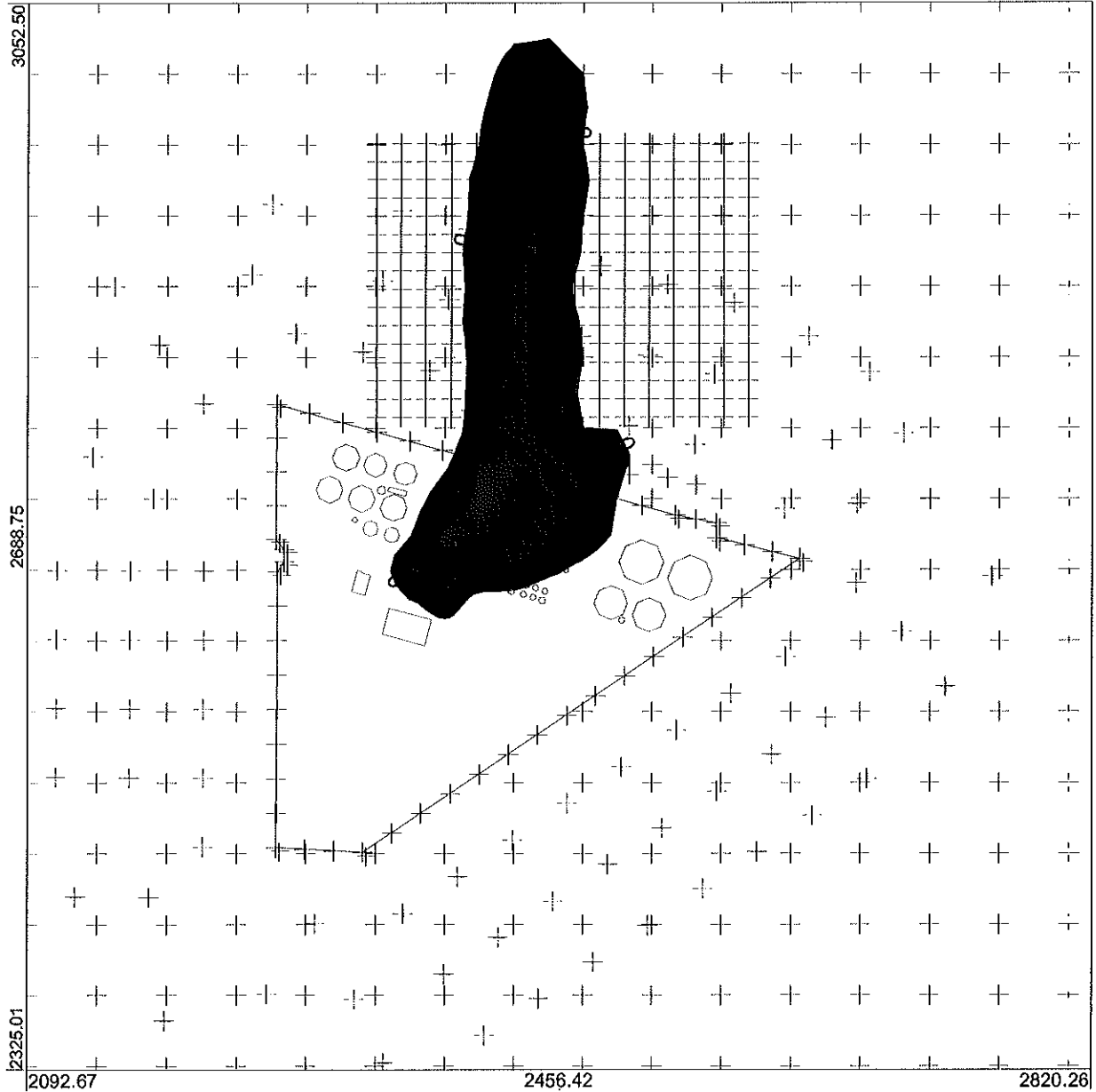
5/28/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL



0.00

0.00

0.00

MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1991, Cd, annual

MODELER :

Troy Riecke

0 0.1 km

MAX :

0.0002

UNITS :

ug/m**3

DATE :

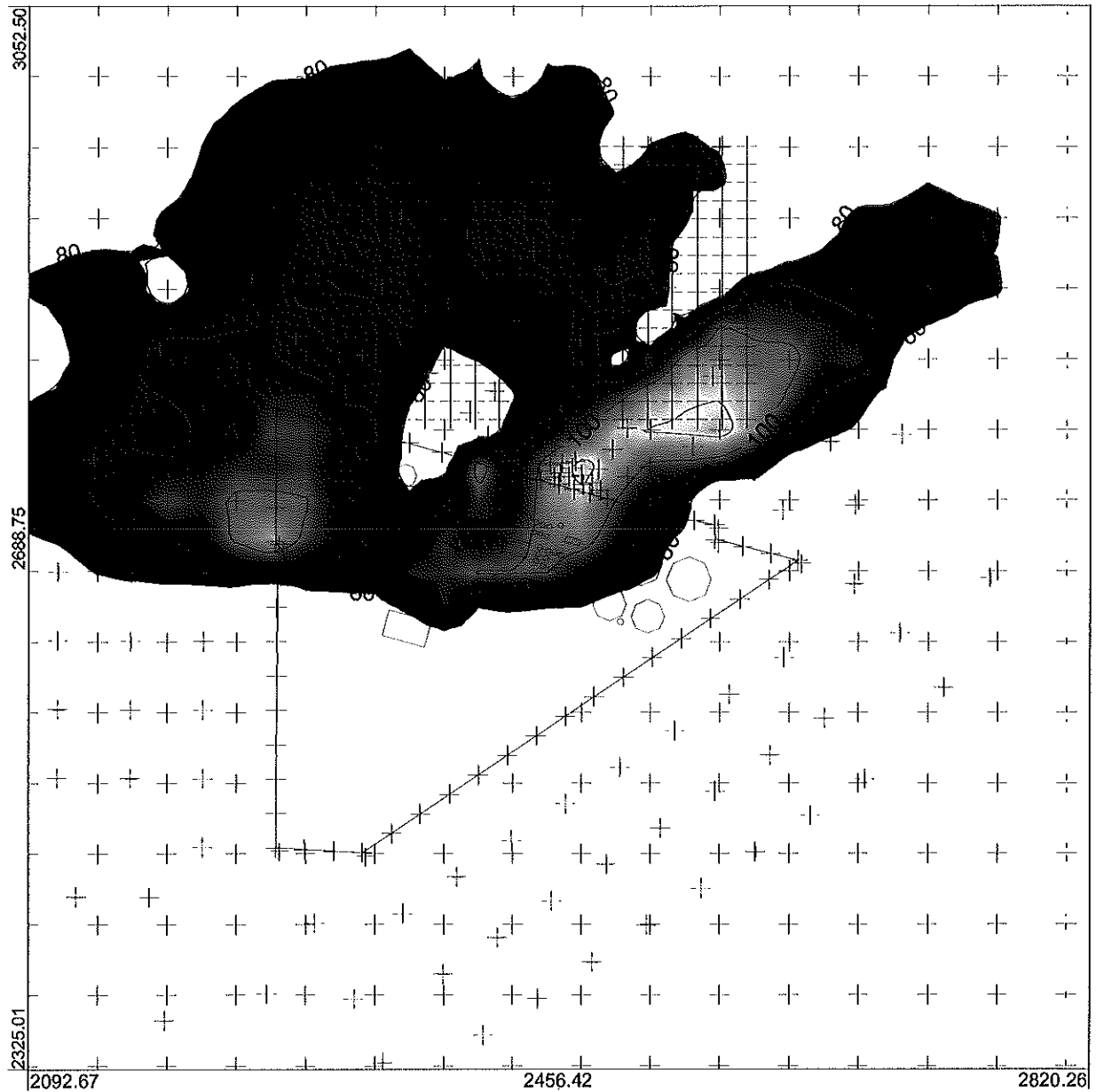
5/28/2006

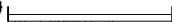
PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF HIGH 2ND HIGH 1-HR VALUES FOR SOURCE GROUP: ALL

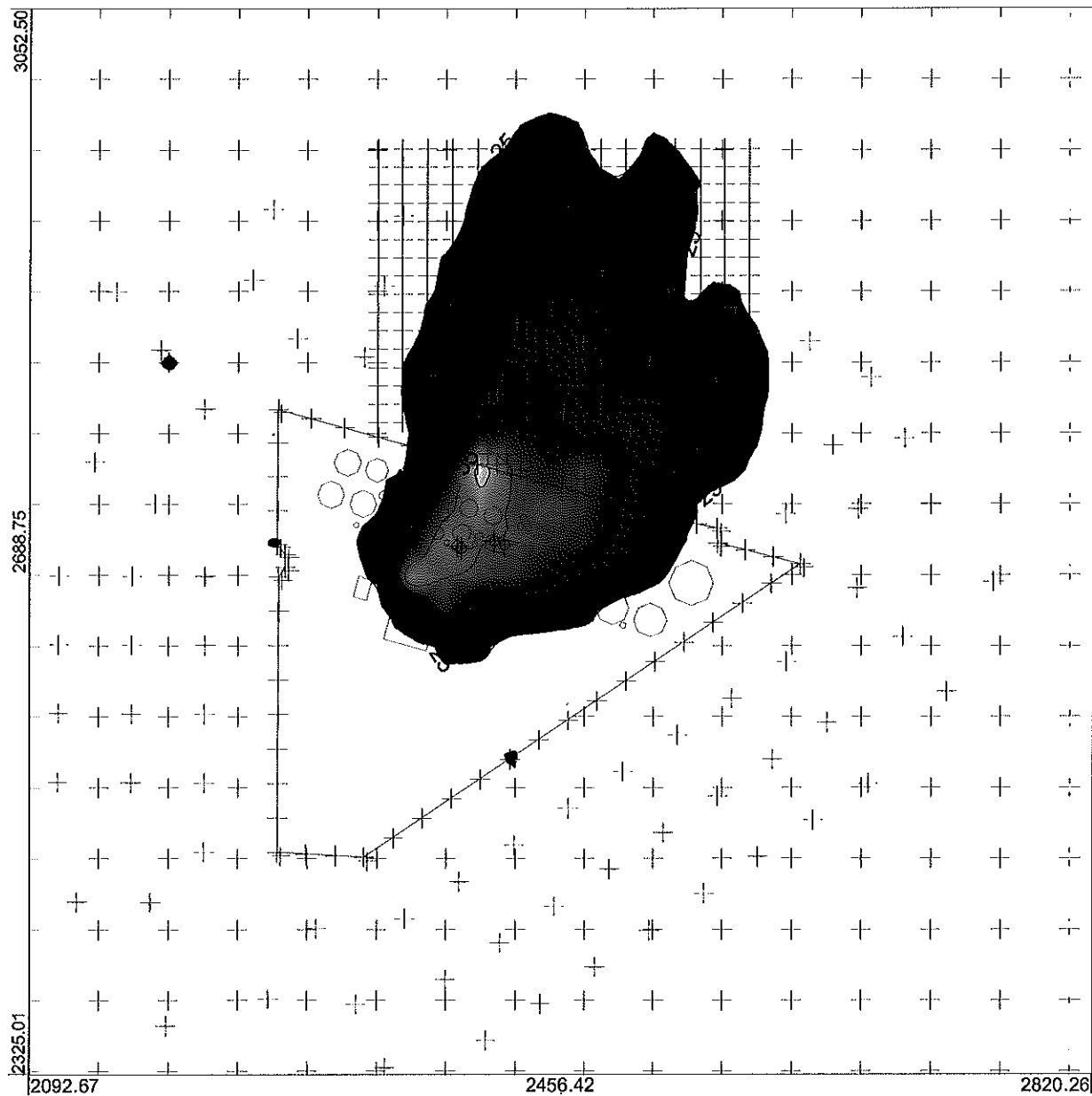


MODELING OPTIONS :			COMPANY NAME :	
CONC, RURAL, FLAT, DFAULT			Millennium Science & Engineering, Inc.	
OUTPUT TYPE :	RECEPTORS :	COMMENTS :	MODELER :	0  0.1 km
CONC	655	1987, CO, 1hr, 2nd high	Troy Riecke	
MAX :	UNITS :		DATE :	PROJECT/PLOT NO. :
117.46591	ug/m**3		5/29/2006	

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF HIGH 2ND HIGH 8-HR VALUES FOR SOURCE GROUP: ALL



25.00

55.00

75.00

MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1987, CO, 8hr, 2nd high

MODELER :

Troy Riecke

0  0.1 km

MAX :

75.47005

UNITS :

ug/m3**

DATE :

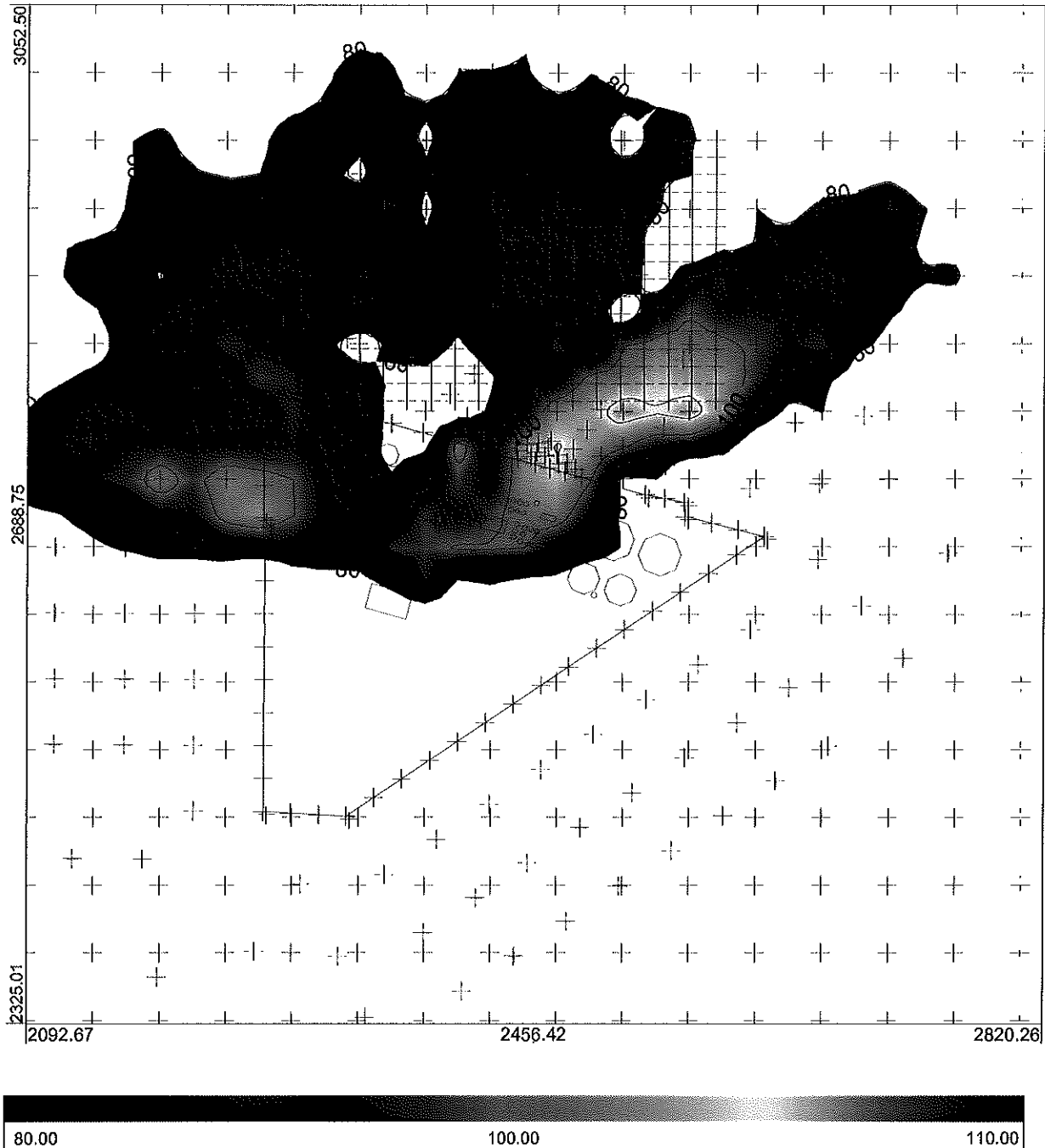
5/29/2006


PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF HIGH 2ND HIGH 1-HR VALUES FOR SOURCE GROUP: ALL

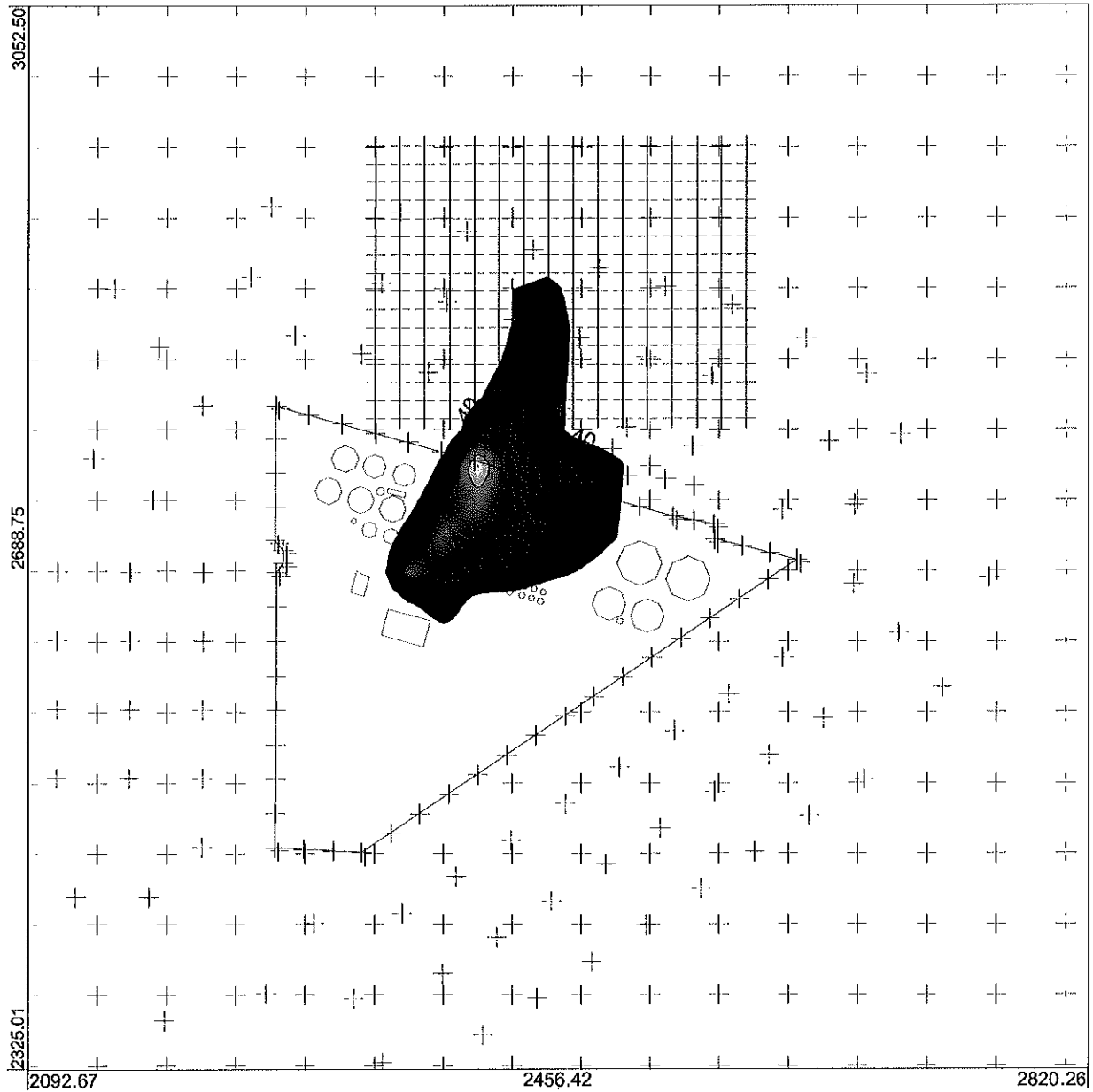


MODELING OPTIONS :			COMPANY NAME :	
CONC, RURAL, FLAT, DFAULT			Millennium Science & Engineering, Inc.	
OUTPUT TYPE :	RECEPTORS :	COMMENTS : 1988, CO, 1hr, 2nd high	MODELER :	0  0.1 km
CONC	655		Troy Riecke	
MAX :	UNITS :		DATE :	PROJECT/PLOT NO. :
116.72523	ug/m**3		5/29/2006	

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF HIGH 2ND HIGH 8-HR VALUES FOR SOURCE GROUP: ALL



MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1988, CO, 8hr, 2nd high

MODELER :

Troy Riecke

0 0.1 km

MAX :

89.46023

UNITS :

ug/m**3

DATE :

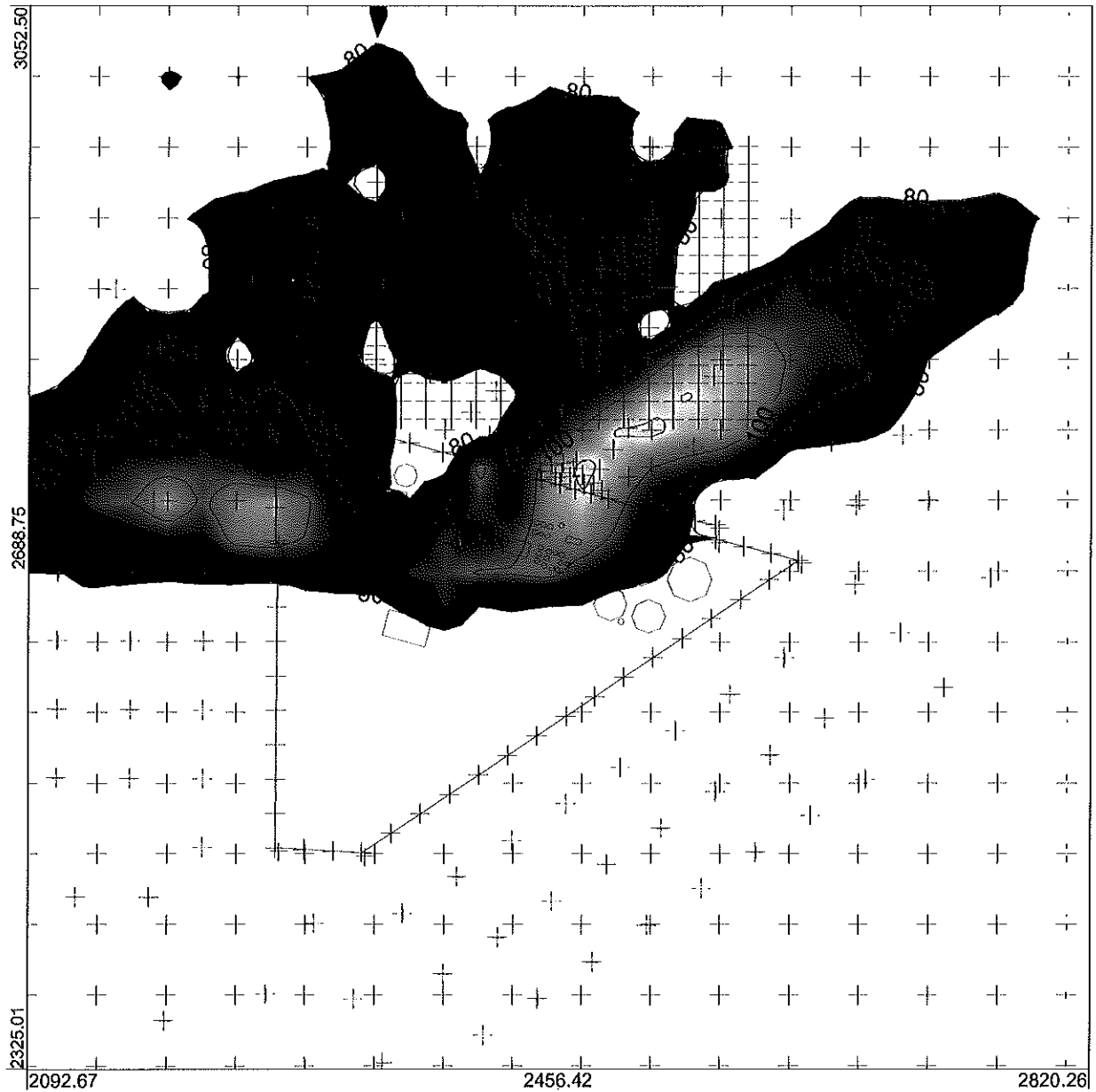
5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF HIGH 2ND HIGH 1-HR VALUES FOR SOURCE GROUP: ALL



80.00

100.00

110.00

MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1989, CO, 1hr, 2nd high

MODELER :

Troy Riecke

0 0.1 km

MAX :

116.27853

UNITS :

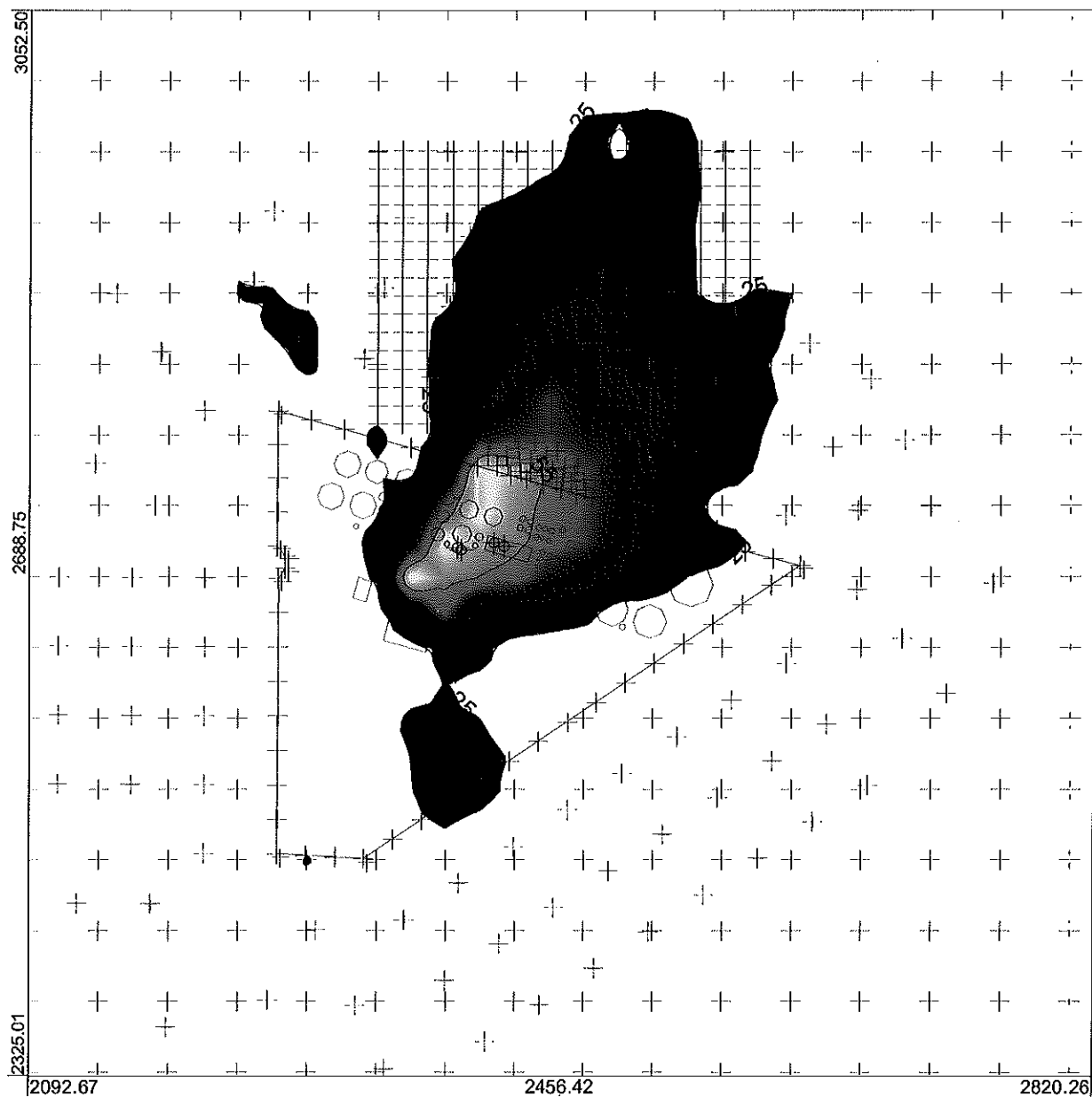
ug/m**3

DATE :

5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :
Idaho Asphalt Supply
 PLOT FILE OF HIGH 2ND HIGH 8-HR VALUES FOR SOURCE GROUP: ALL



MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1989, CO, 8hr, 2nd high

MODELER :

Troy Riecke

0  0.1 km

MAX :

67.47649

UNITS :

ug/m3**

DATE :

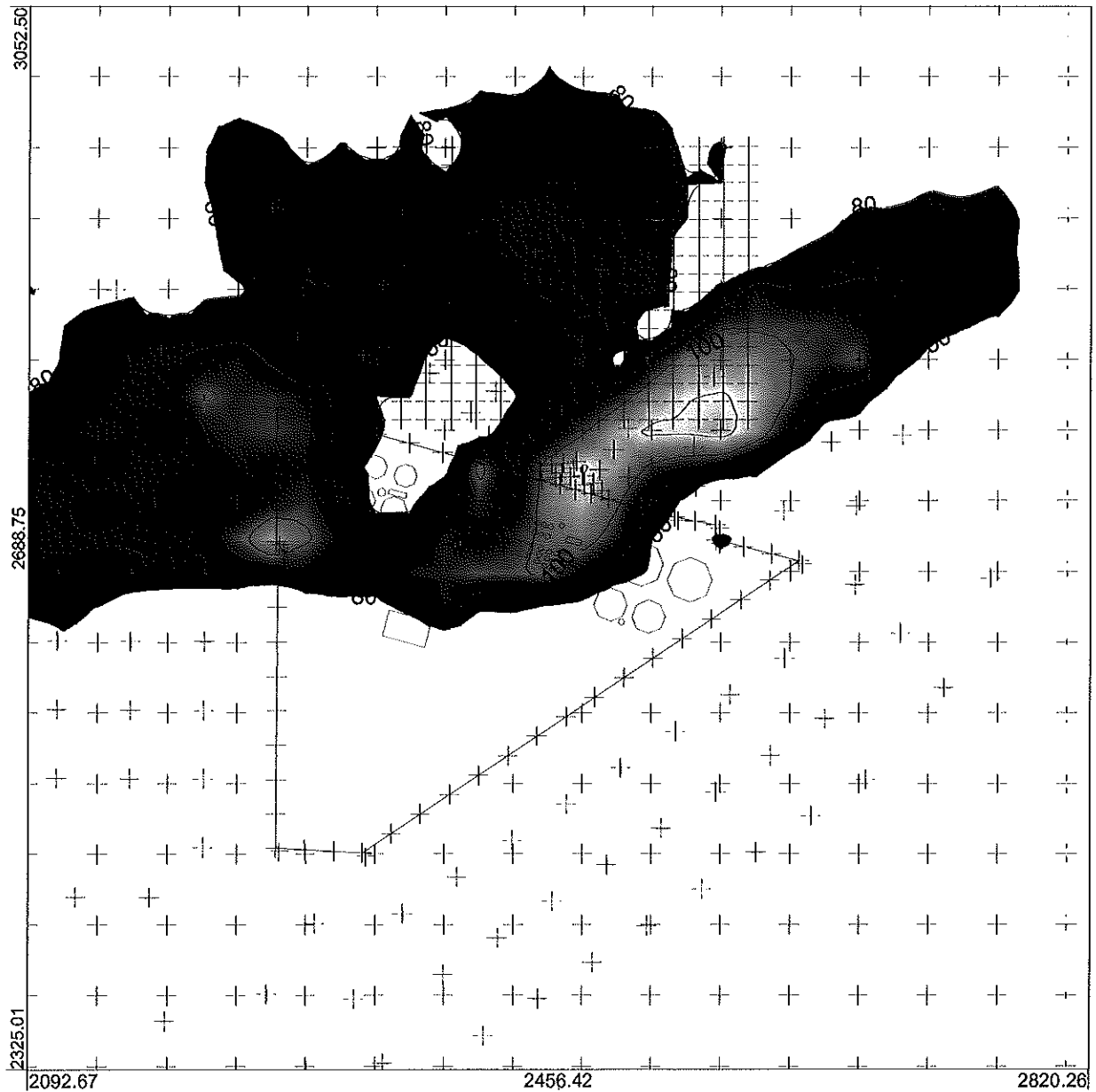
5/29/2006

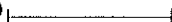
PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF HIGH 2ND HIGH 1-HR VALUES FOR SOURCE GROUP: ALL

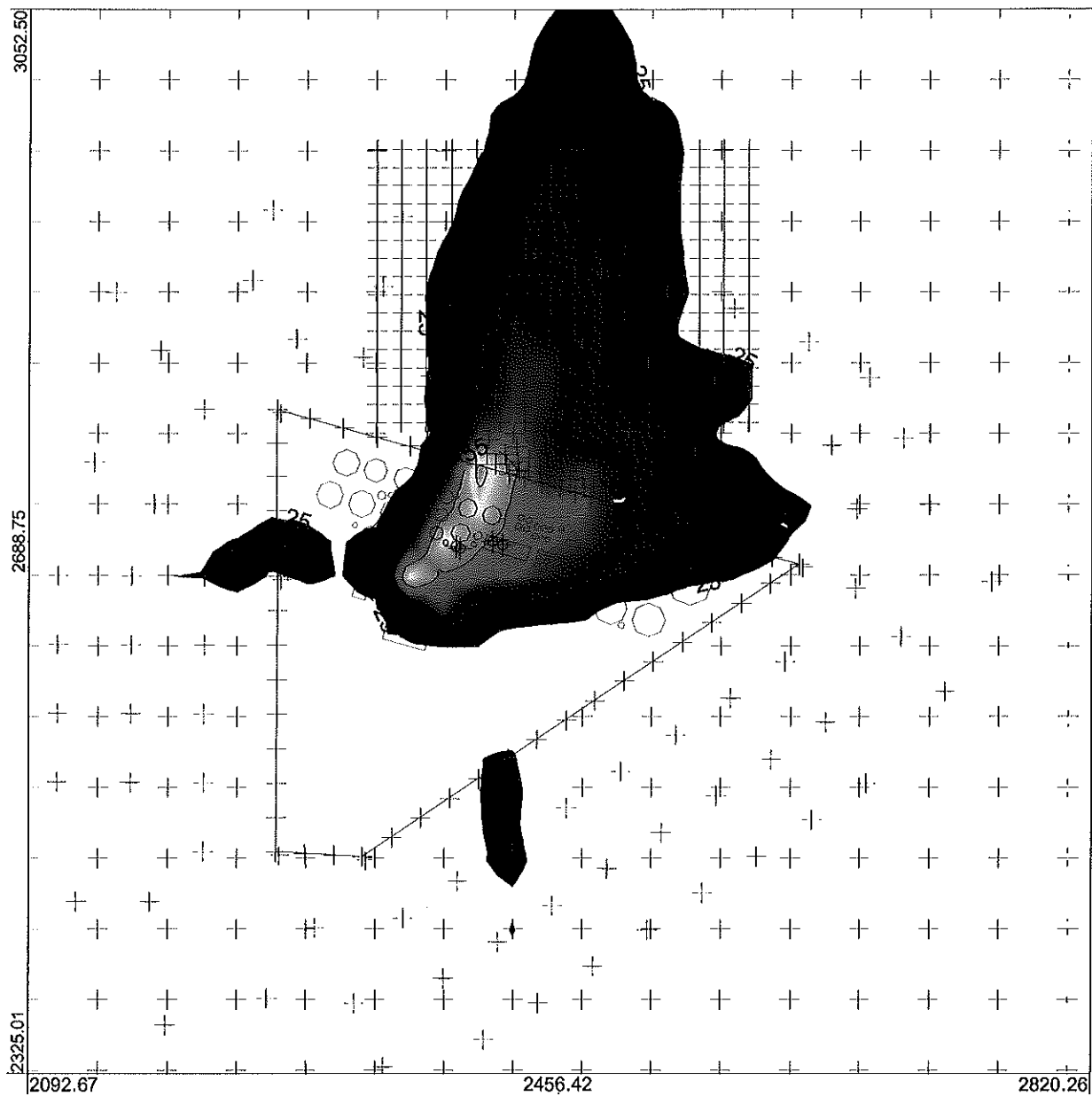


MODELING OPTIONS :			COMPANY NAME :	
CONC, RURAL, FLAT, DFAULT			Millennium Science & Engineering, Inc.	
OUTPUT TYPE :	RECEPTORS :	COMMENTS :	MODELER :	0  0.1 km
CONC	655		Troy Riecke	
MAX :	UNITS :		DATE :	PROJECT/PLOT NO. :
116.85463	ug/m**3		5/29/2006	

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF HIGH 2ND HIGH 8-HR VALUES FOR SOURCE GROUP: ALL



25.00

45.00

65.00

MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1990, CO, 8hr, 2nd high

MODELER :

Troy Riecke

0 0.1 km

MAX :

71.87135

UNITS :

ug/m**3

DATE :

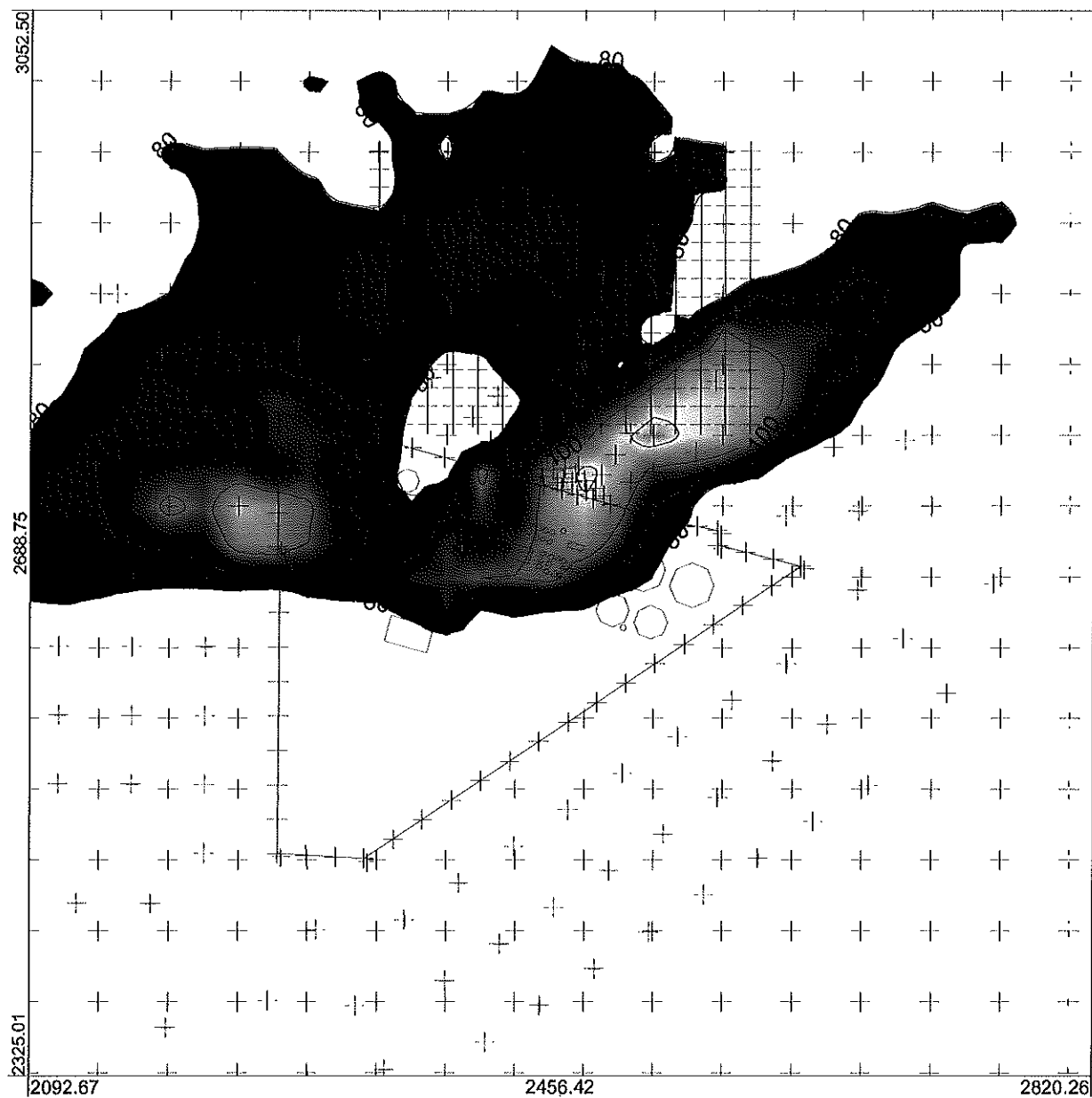
5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF HIGH 2ND HIGH 1-HR VALUES FOR SOURCE GROUP: ALL



80.00

100.00

110.00

MODELING OPTIONS:

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1991, CO, 1hr, 2nd high

MODELER :

Troy Riecke

0 0.1 km

MAX :

117.01027

UNITS :

ug/m**3

DATE :

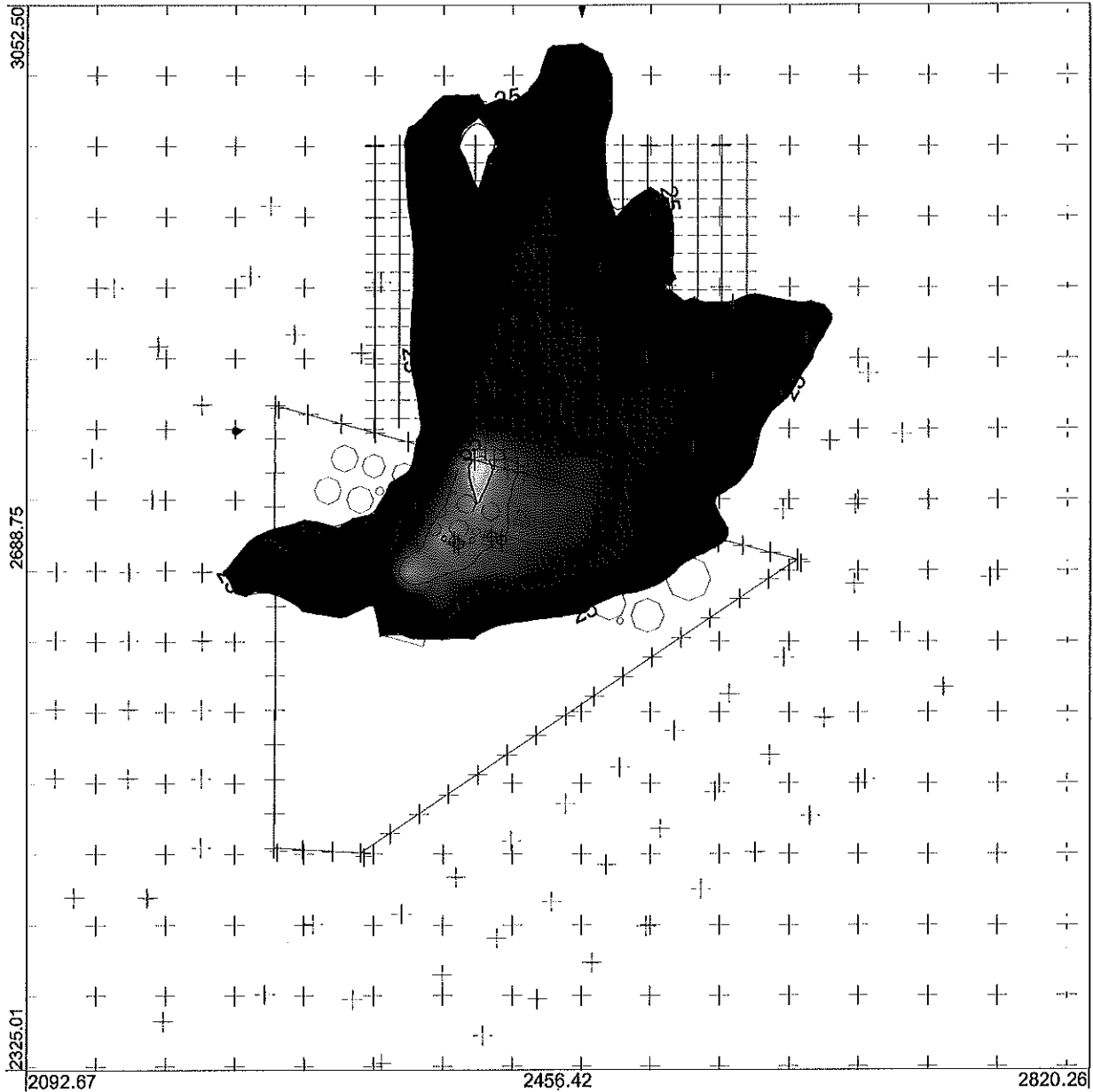
5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF HIGH 2ND HIGH 8-HR VALUES FOR SOURCE GROUP: ALL



25.00

55.00

75.00

MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1991, CO, 8hr, 2nd high

MODELER :

Troy Riecke

0  0.1 km

MAX :

79.19275

UNITS :

ug/m3**

DATE :

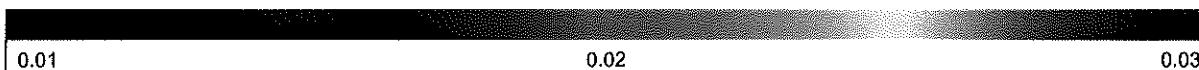
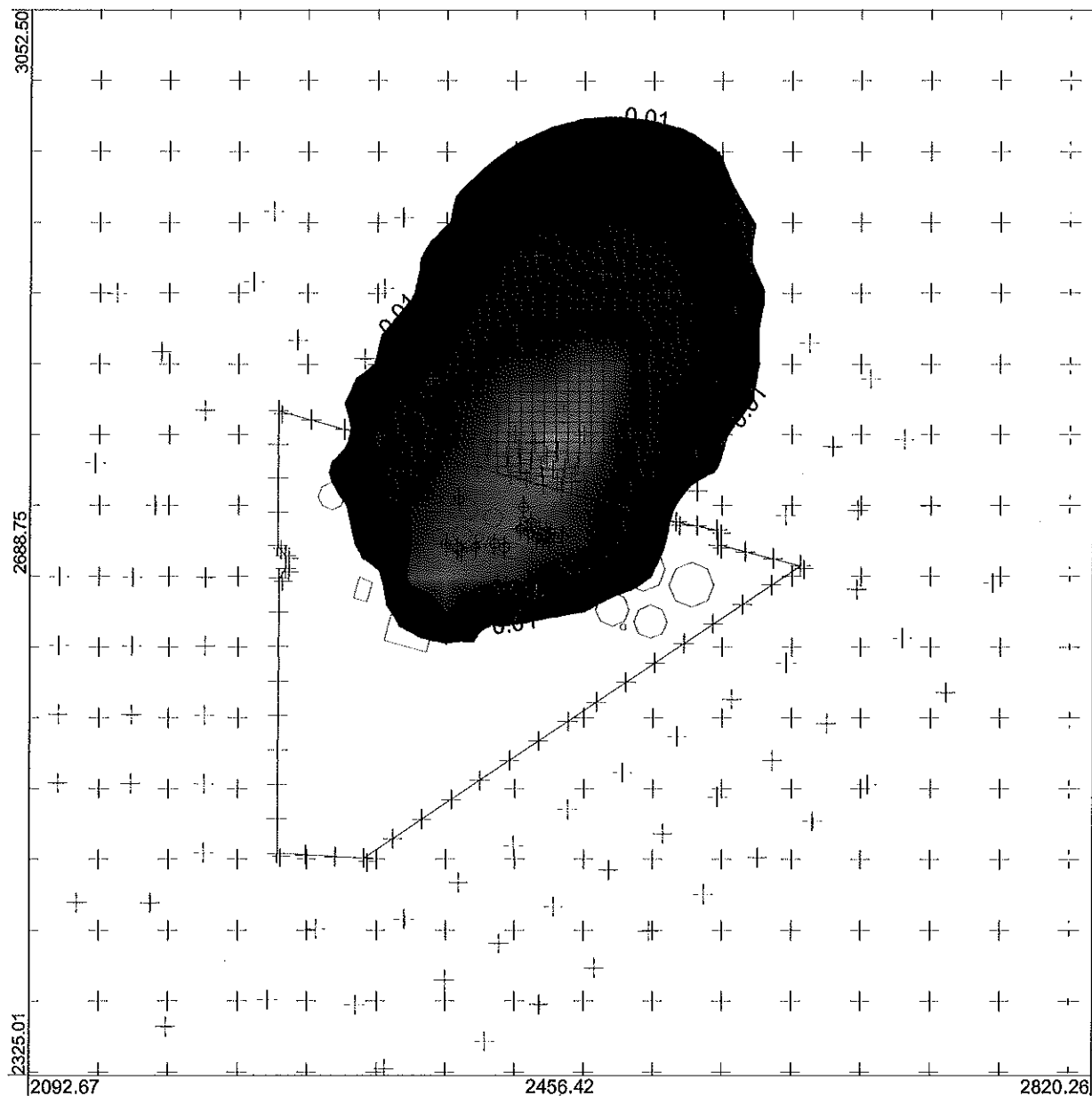
5/29/2006


PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL

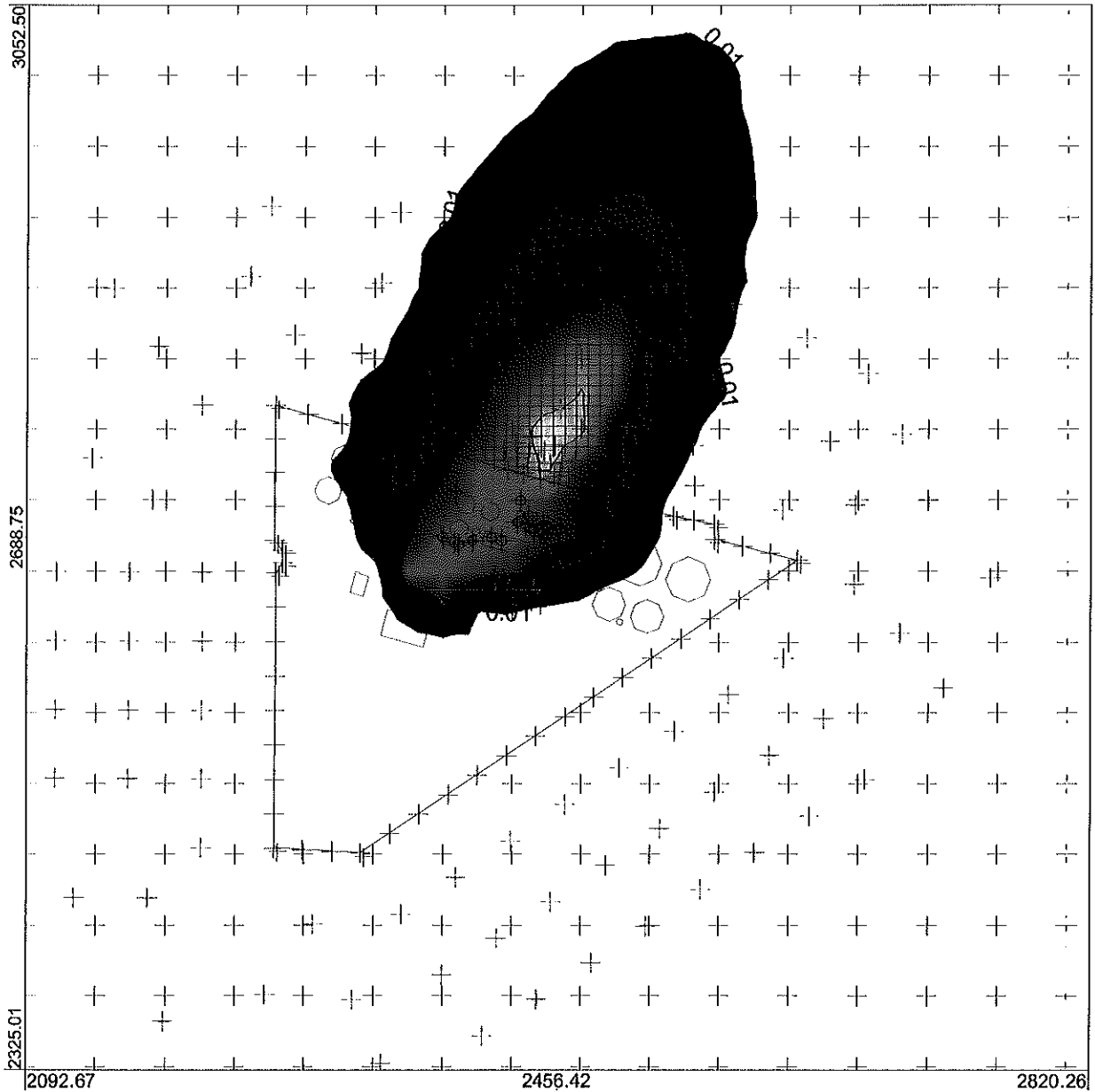


MODELING OPTIONS: CONC, RURAL, FLAT, DFAULT			COMPANY NAME : Millennium Science & Engineering, Inc.	
OUTPUT TYPE : CONC	RECEPTORS : 655	COMMENTS : 1987, Formaldehyde, annual	MODELER : Troy Rlecke	0  0.1 km
MAX : 0.03152	UNITS : ug/m**3		DATE : 5/29/2006	PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL



0.01

0.02

0.03

MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1988, Formaldehyde,
annual

MODELER :

Troy Riecke

0  0.1 km

MAX :

0.03534

UNITS :

ug/m**3

DATE :

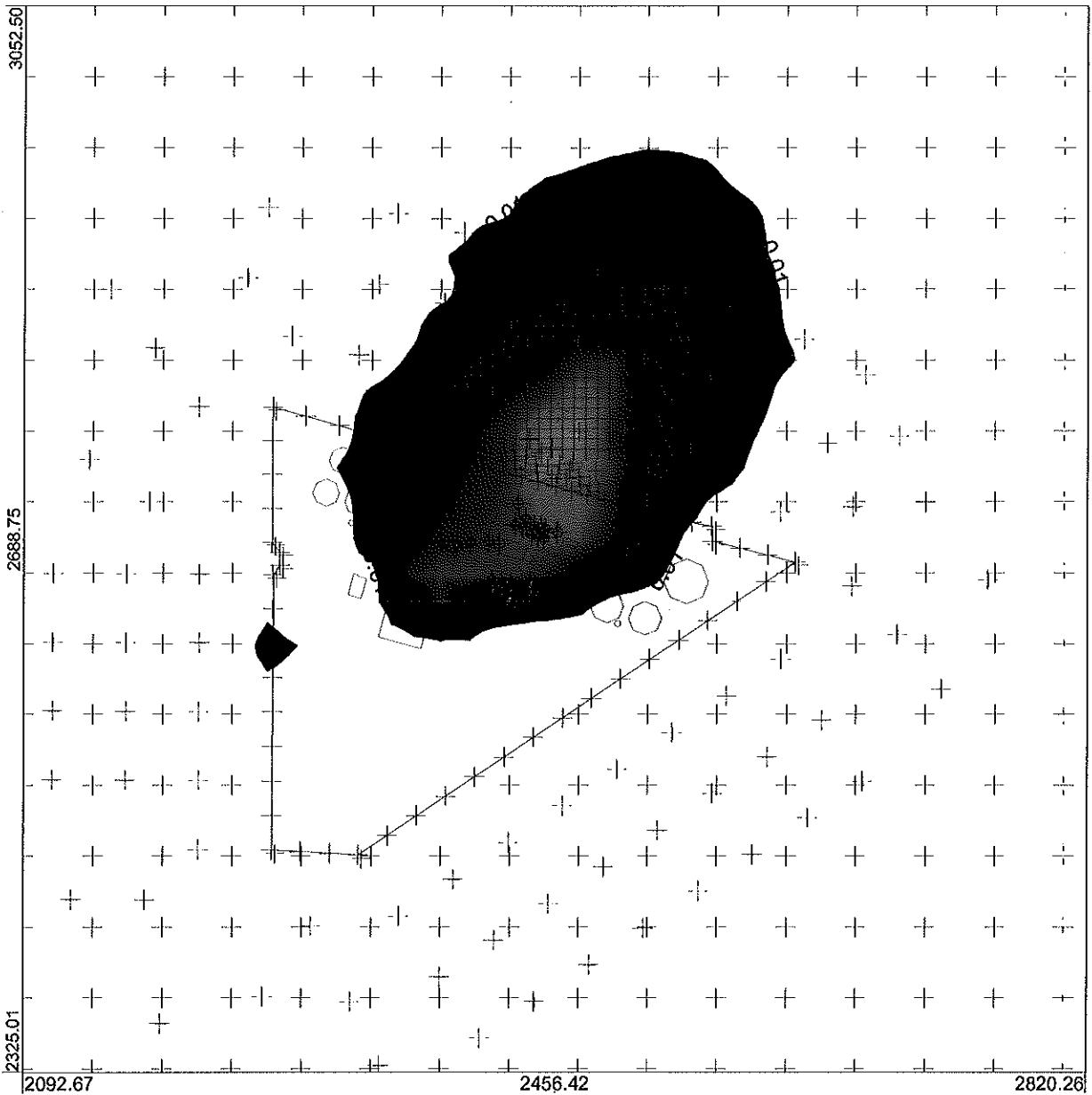
5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL



0.01

0.02

0.03

MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1989, Formaldehyde,
annual

MODELER :

Troy Riecke

0 0.1 km

MAX :

0.03093

UNITS :

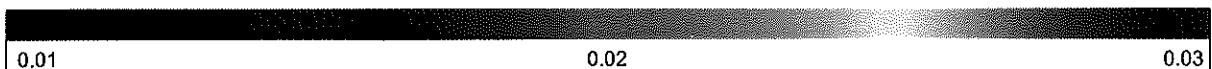
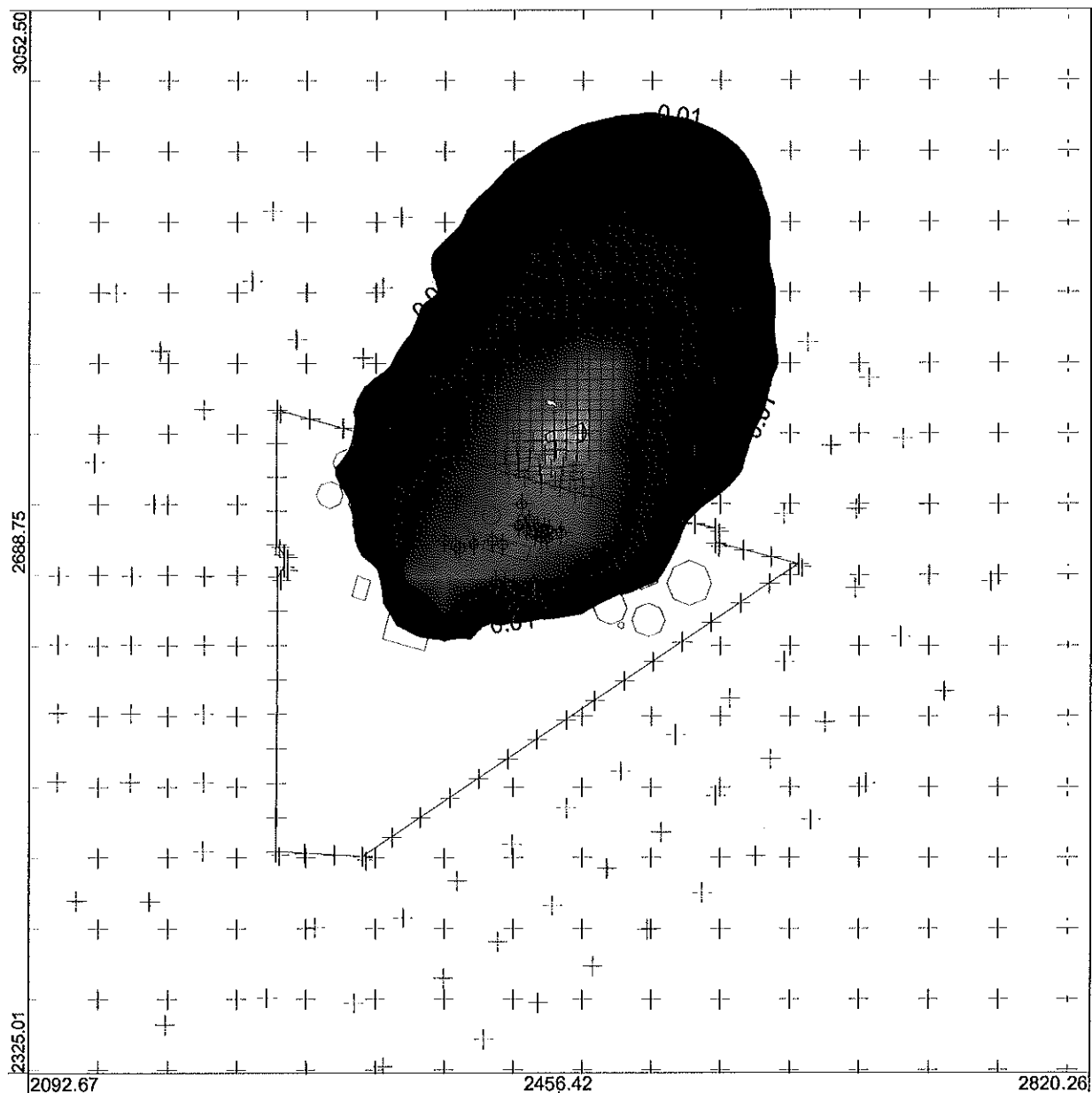
ug/m**3

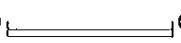
DATE :

5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :
Idaho Asphalt Supply
 PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL

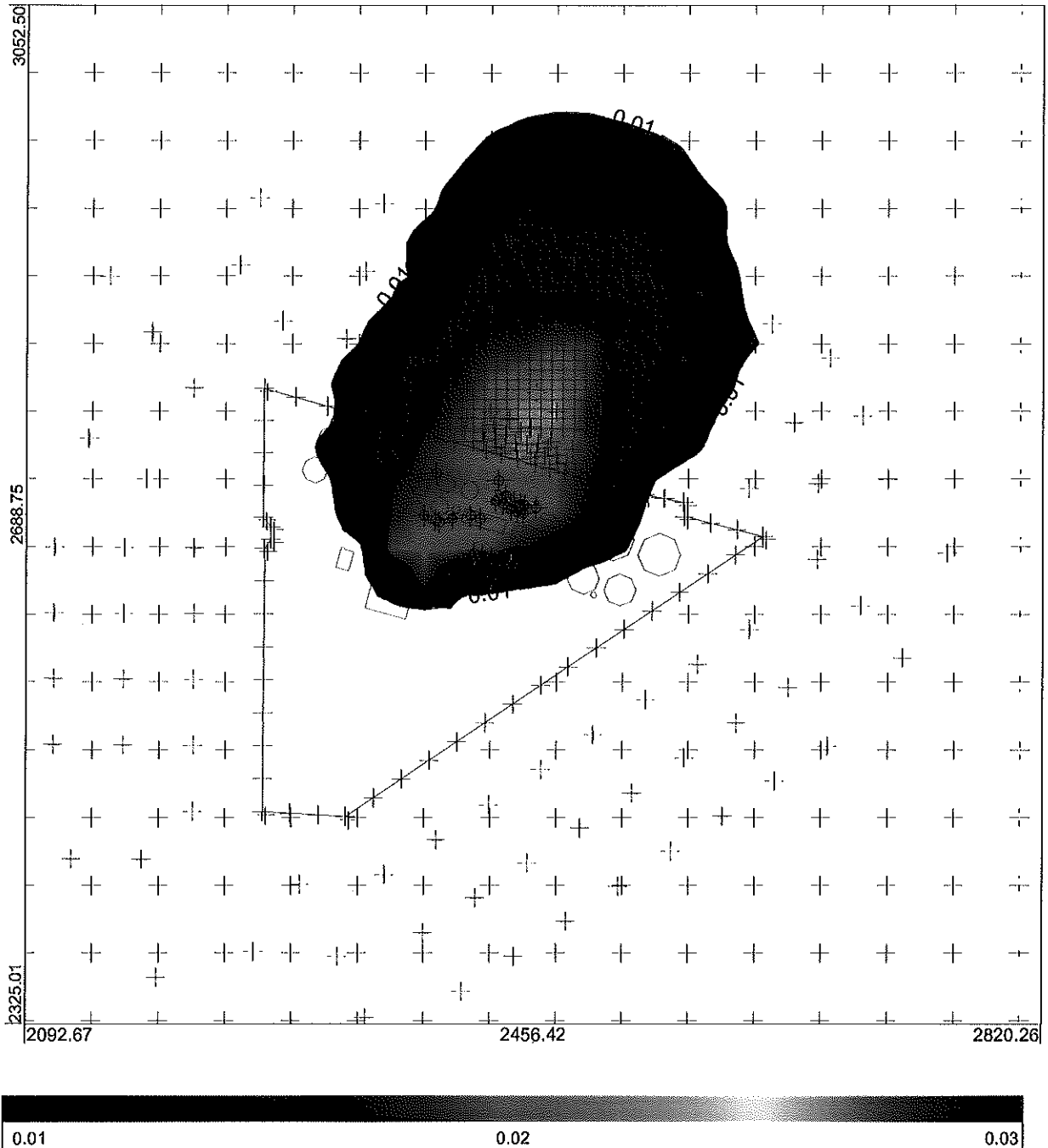



MODELING OPTIONS: CONC, RURAL, FLAT, DFAULT			COMPANY NAME : Millennium Science & Engineering, Inc.	
OUTPUT TYPE : CONC	RECEPTORS : 655	COMMENTS : 1990, Formaldehyde, annual	MODELER : Troy Riecke	0  0.1 km
MAX : 0.03249	UNITS : ug/m**3		DATE : 5/29/2006	PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL

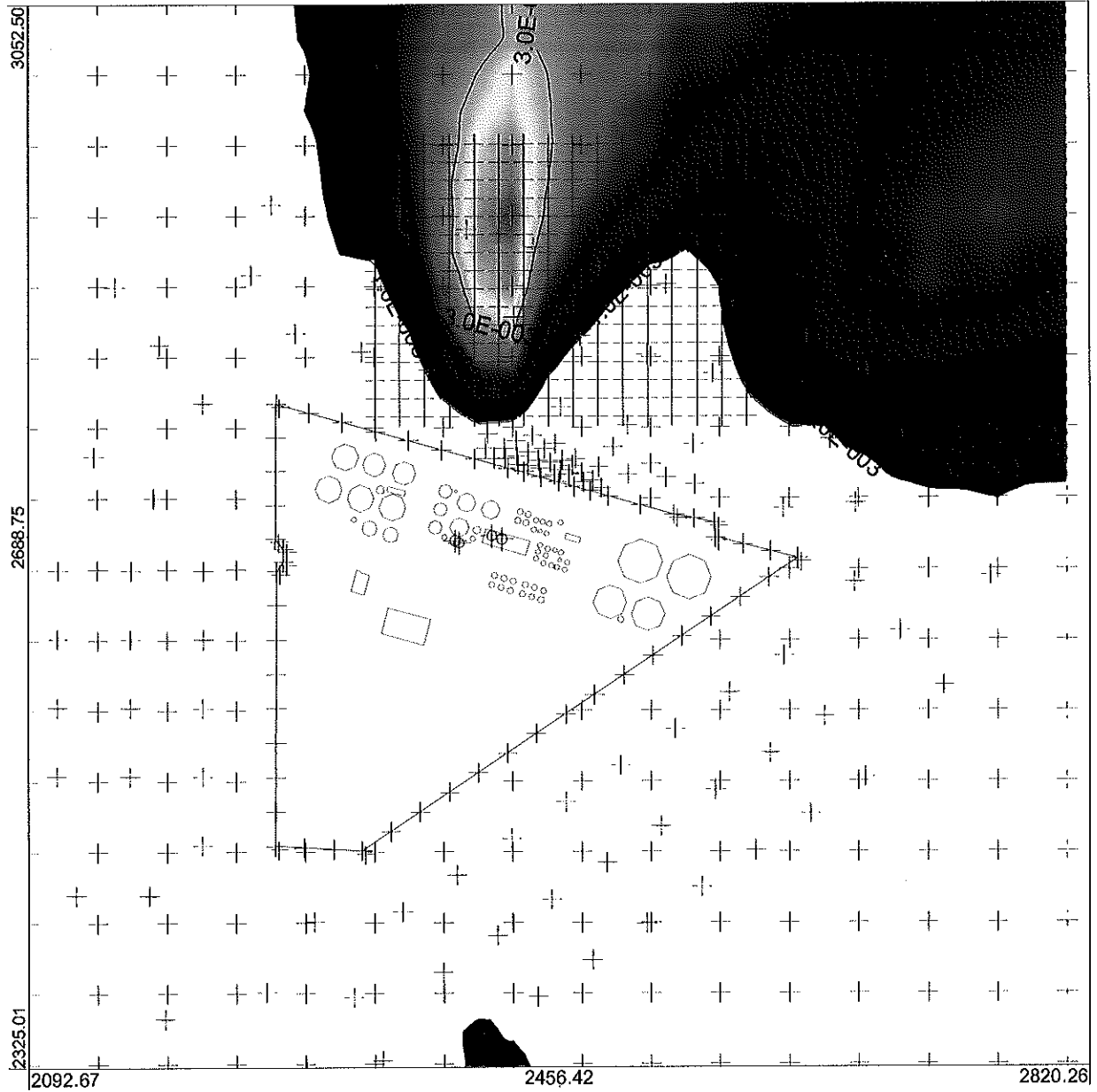


MODELING OPTIONS :			COMPANY NAME :	
CONC, RURAL, FLAT, DFAULT			Millennium Science & Engineering, Inc.	
OUTPUT TYPE :	RECEPTORS :	COMMENTS :	MODELER :	0  0.1 km
CONC	655		Troy Riecke	
MAX :	UNITS :	1991, Formaldehyde, annual	DATE :	PROJECT/PLOT NO. :
0.03213	ug/m**3		5/29/2006	

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL



MODELING OPTIONS:

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1987, Ni, annual

MODELER :

Troy Riecke

0 0.1 km

MAX :

0.00387

UNITS :

ug/m**3

DATE :

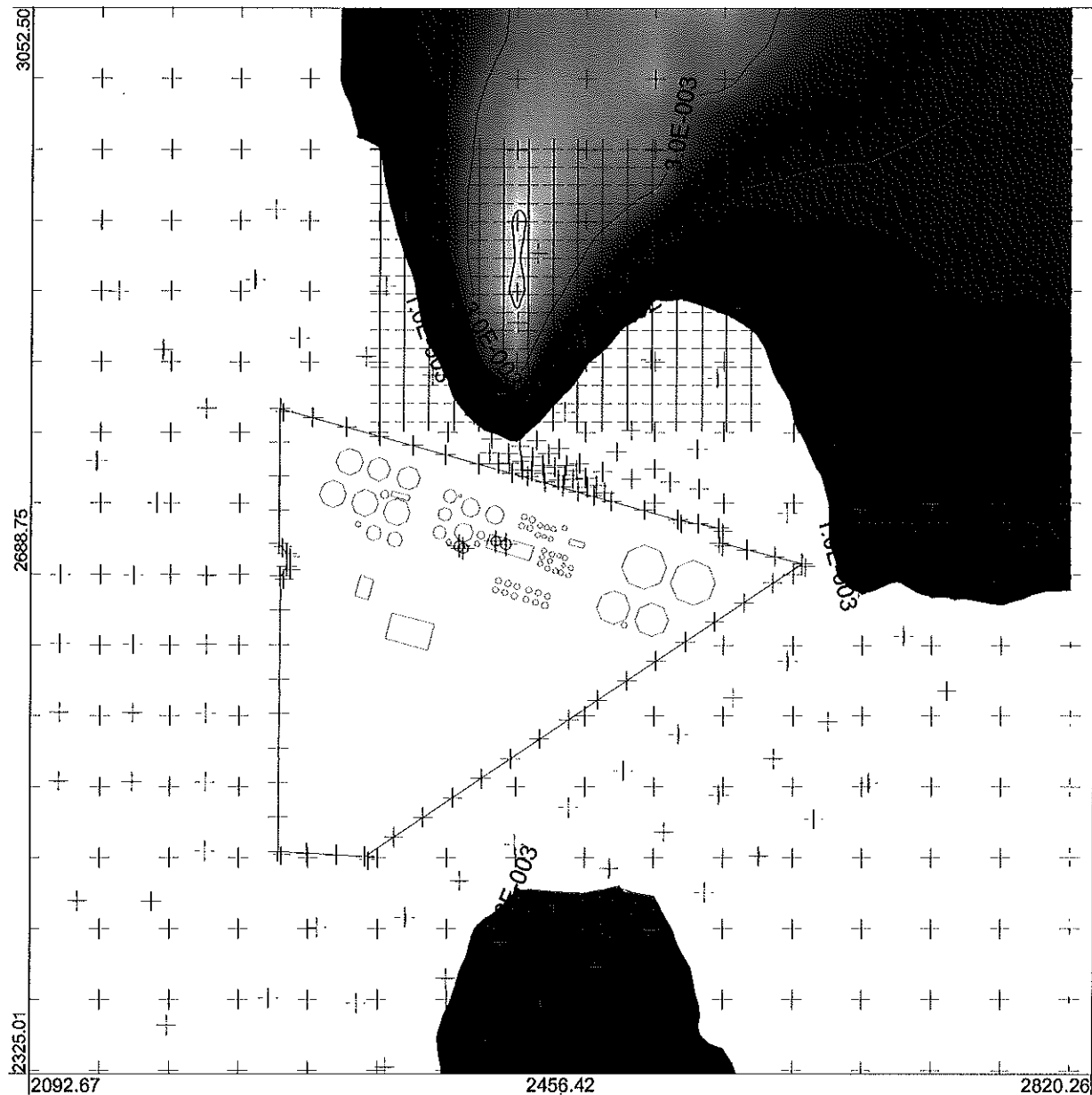
6/18/2006

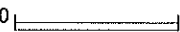
PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL

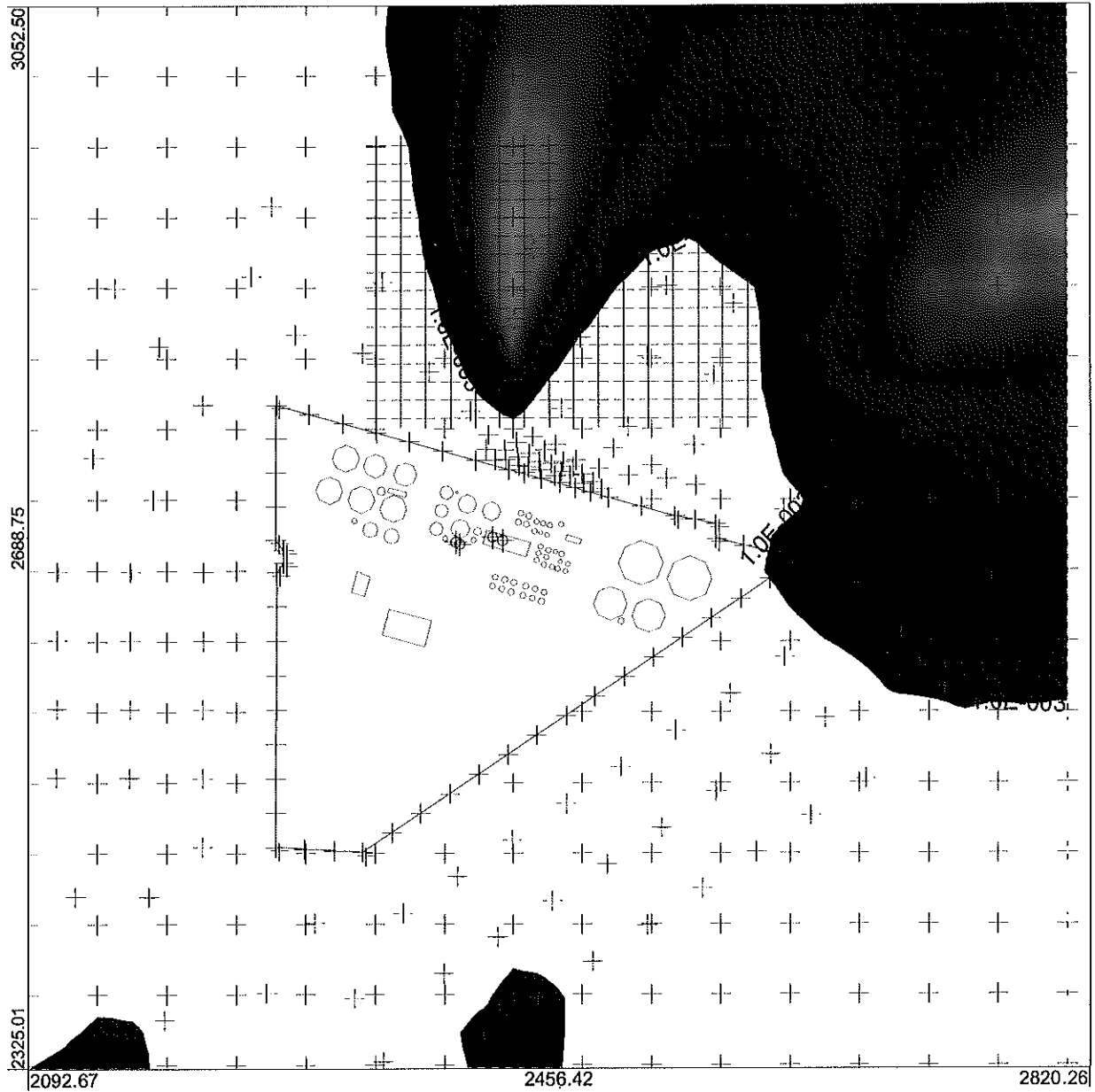


MODELING OPTIONS :			COMPANY NAME :	
CONC, RURAL, FLAT, DFAULT			Millennium Science & Engineering, Inc.	
OUTPUT TYPE :	RECEPTORS :	COMMENTS :	MODELER :	0  0.1 km
CONC	655		Troy Riecke	
MAX :	UNITS :		DATE :	PROJECT/PLOT NO. :
0.00419	ug/m**3		6/18/2006	

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL



MODELING OPTIONS:

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1989, Ni, annual

MODELER :

Troy Riecke

0 0.1 km

MAX :

0.00292

UNITS :

ug/m**3

DATE :

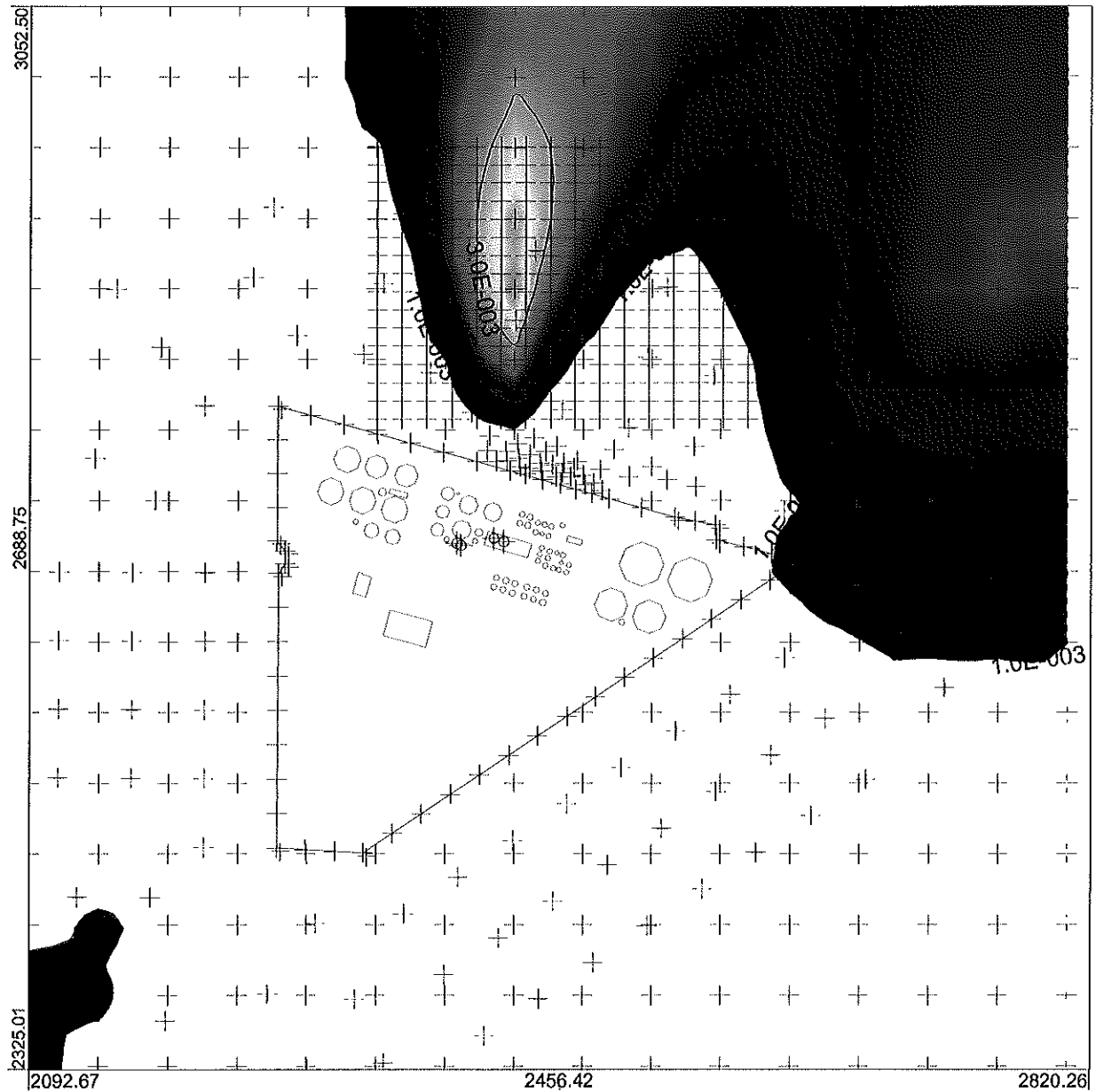
6/18/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL



MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1990, NI, annual

MODELER :

Troy Riecke

0 0.1 km

MAX :

0.00359

UNITS :

ug/m**3

DATE :

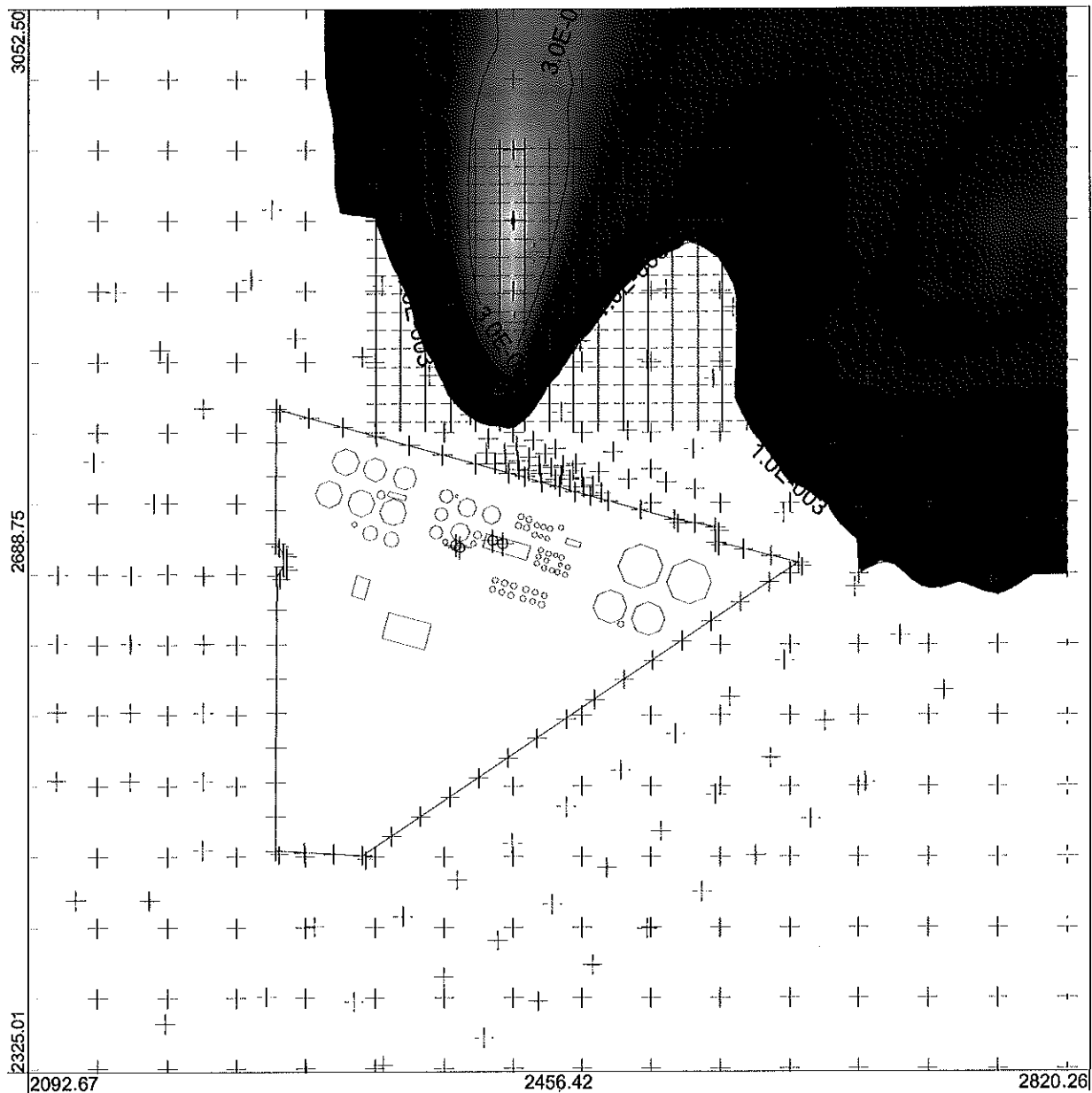
6/18/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL



0.00

0.00

0.00

MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1991, Ni, annual

MODELER :

Troy Riecke

0  0.1 km

MAX :

0.00404

UNITS :

ug/m3**

DATE :

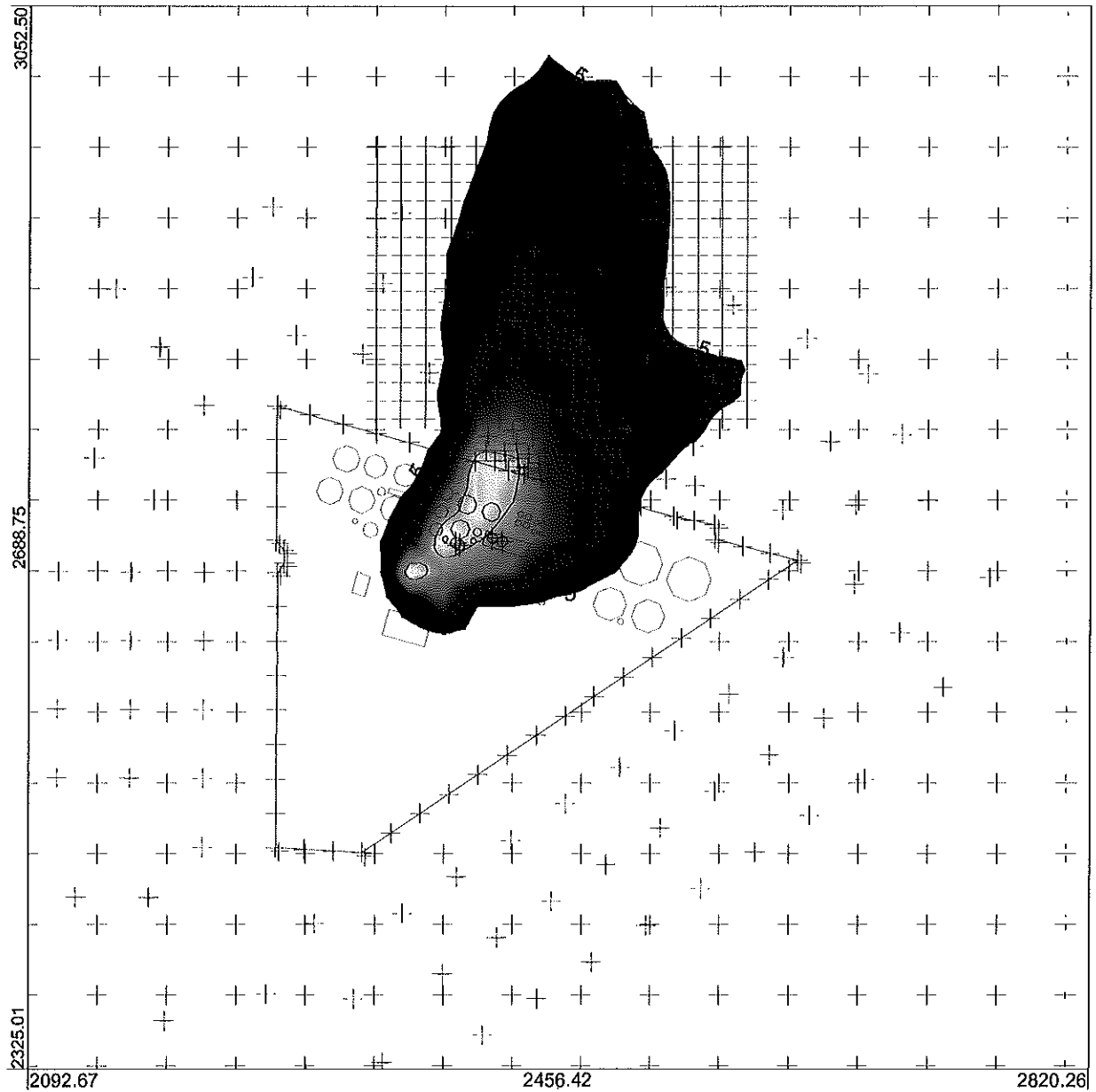
6/18/2006

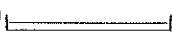
PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL

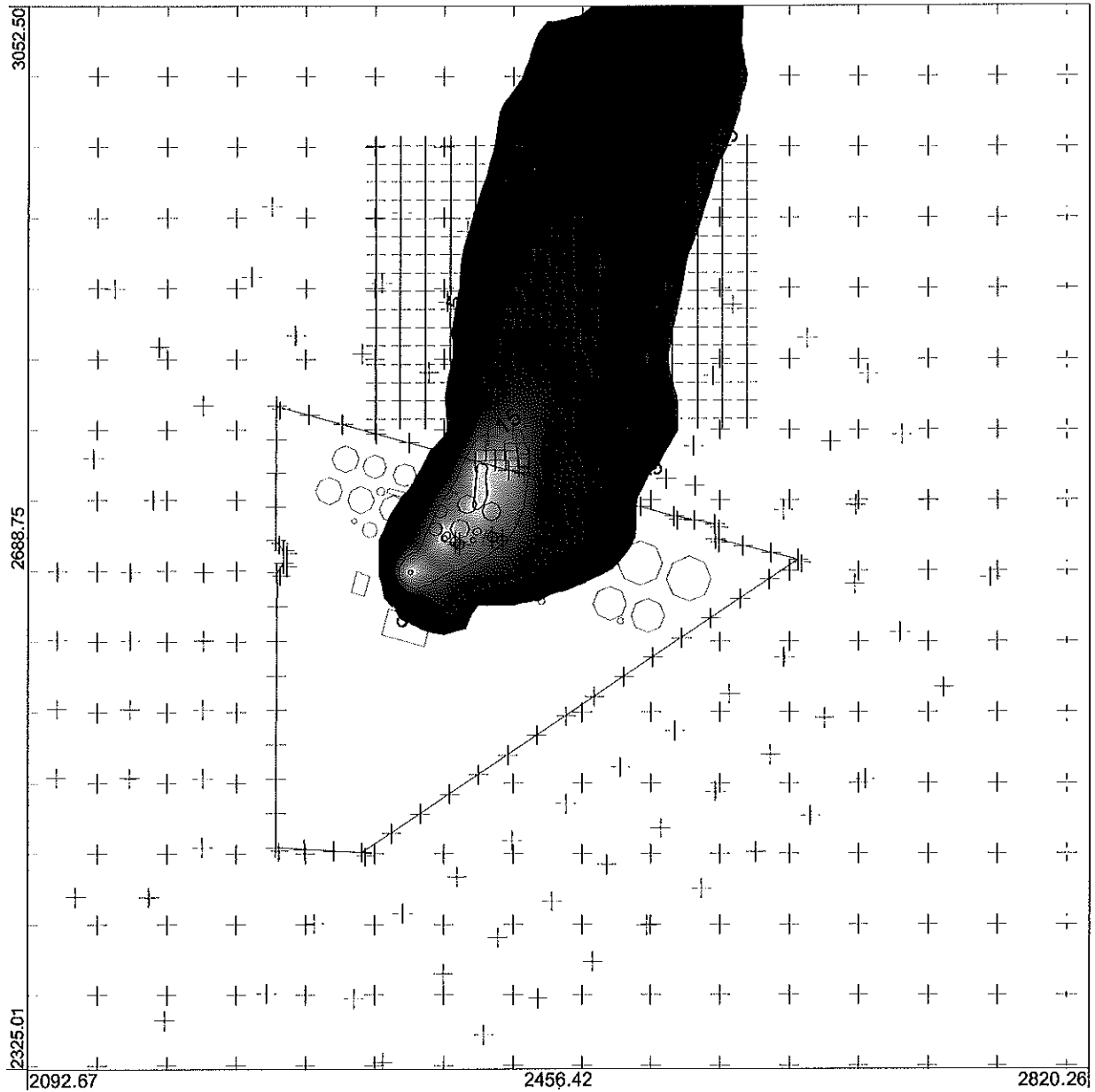


MODELING OPTIONS :			COMPANY NAME :	
CONC, RURAL, FLAT, DFAULT			Millennium Science & Engineering, Inc.	
OUTPUT TYPE :	RECEPTORS :	COMMENTS :	MODELER :	0  0.1 km
CONC	655		Troy Riecke	
MAX :	UNITS :		DATE :	PROJECT/PLOT NO. :
17.73634	ug/m**3		5/29/2006	

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL



5.00

15.00

20.00

MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :


655

COMMENTS :

1988, NOx, annual

MODELER :

Troy Riecke

0  0.1 km

MAX :

22.24688

UNITS :

ug/m3**

DATE :

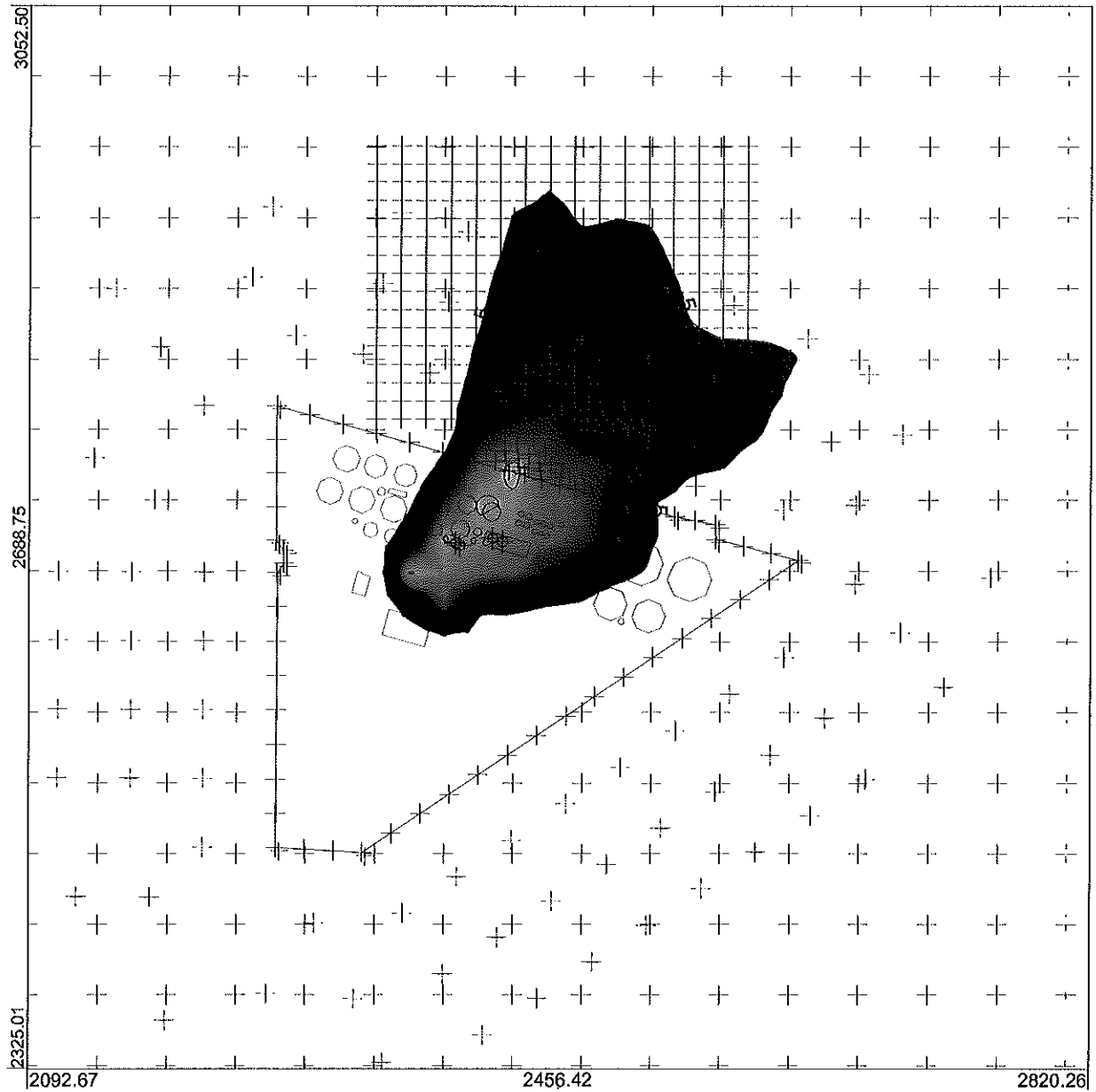
5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL



5.00

10.00

15.00

MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1989, NOx, annual

MODELER :

Troy Riecke

0  0.1 km

MAX :

17.38135

UNITS :

ug/m3**

DATE :

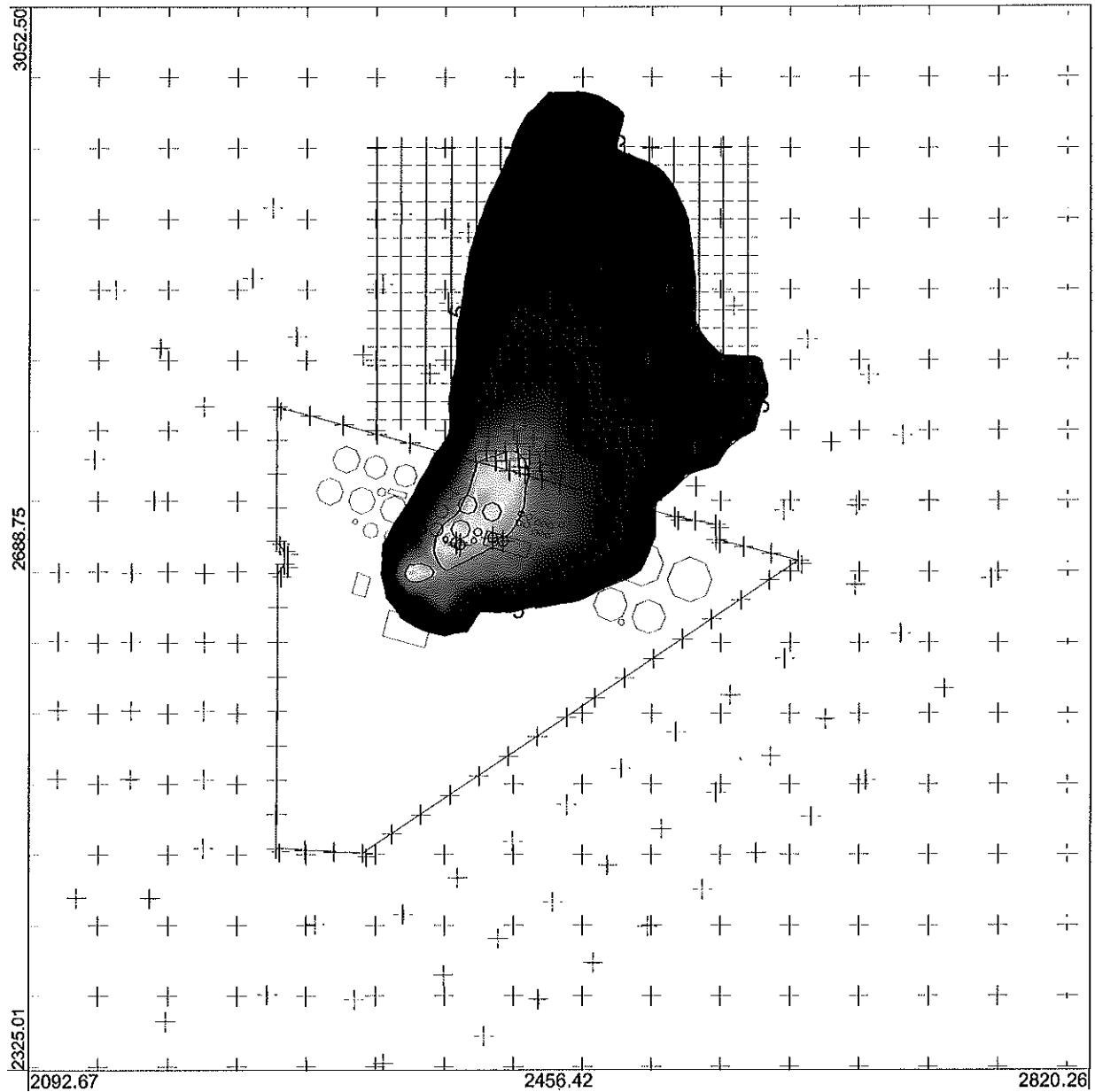
5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL



5.00

10.00

15.00

MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1990, NOx, annual

MODELER :

Troy Riecke

0 0.1 km

MAX :

19.01115

UNITS :

ug/m**3

DATE :

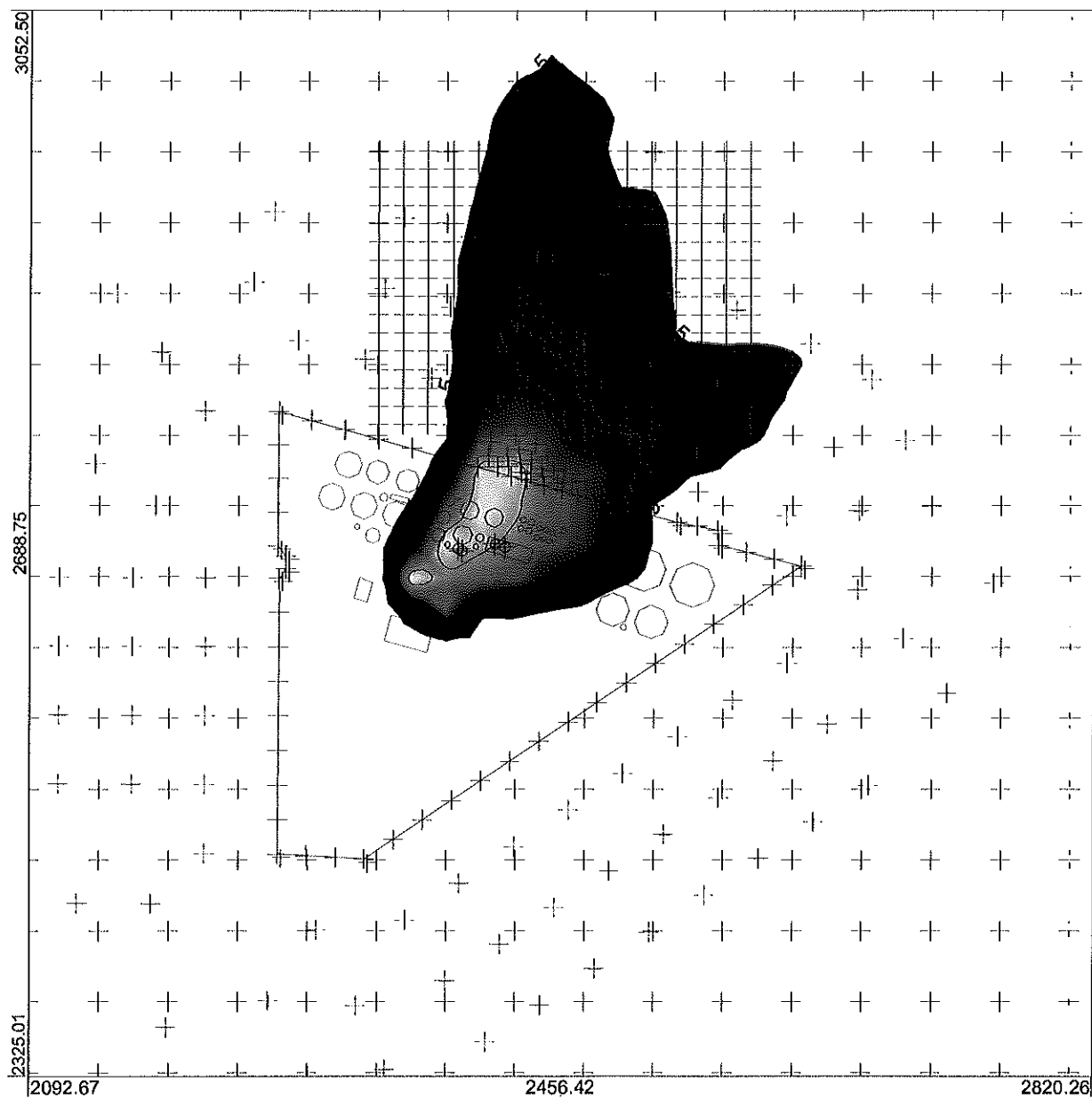
5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL



5.00

10.00

15.00

MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1991, NOx, annual

MODELER :

Troy Riecke

0 0.1 km

MAX :
17.91

UNITS :
ug/m**3

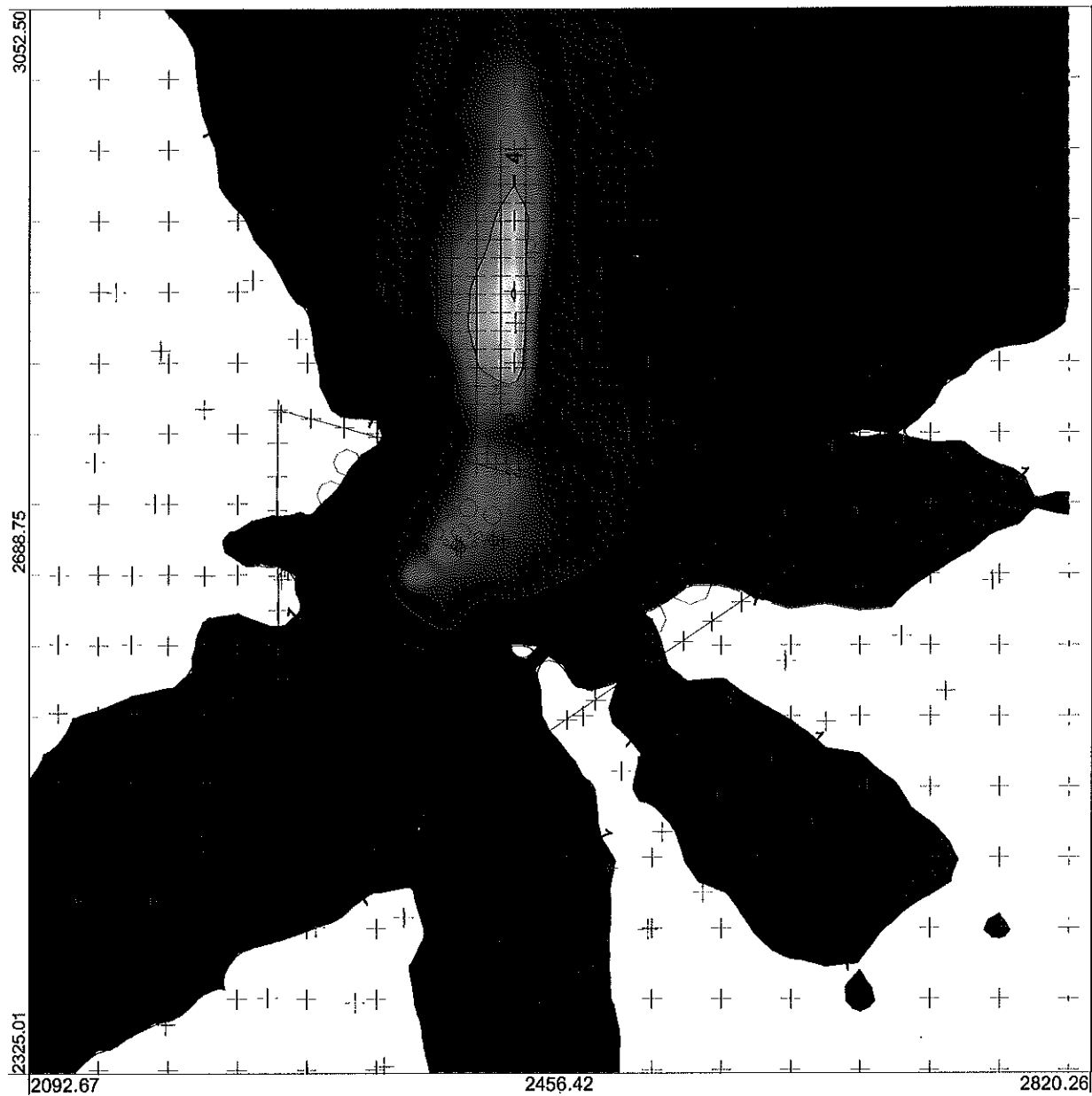
DATE :
5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF HIGH 2ND HIGH 24-HR VALUES FOR SOURCE GROUP: ALL



MODELING OPTIONS:

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1987, PM10, 24hr, 2nd
high

MODELER :

Troy Riecke

0 0.1 km

MAX :

5.27588

UNITS :

ug/m**3

DATE :

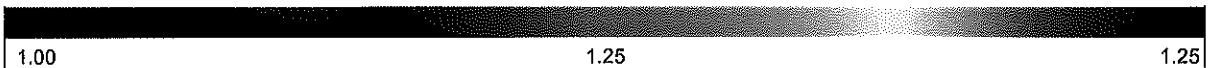
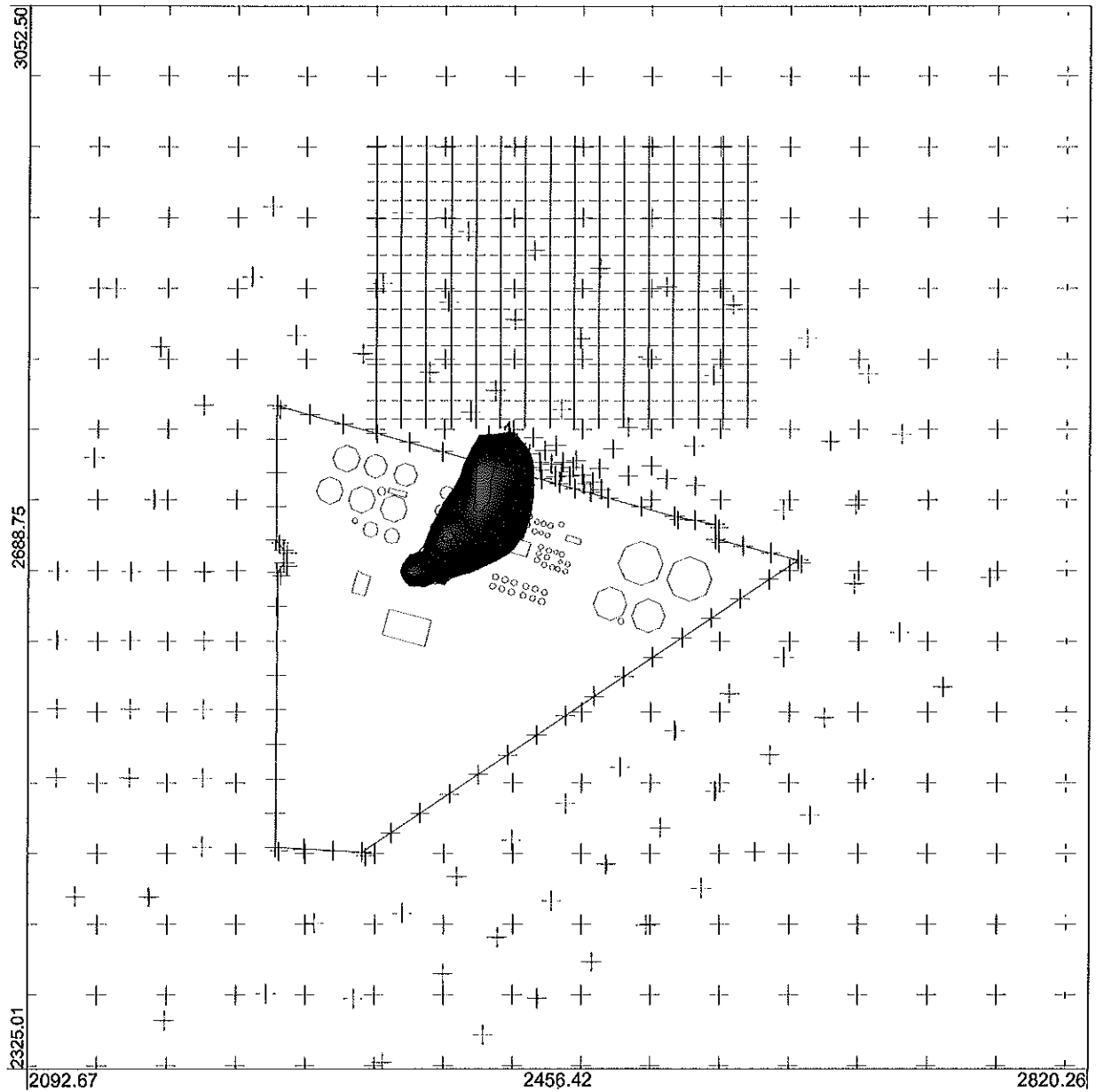
5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL



MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1987, PM10, annual

MODELER :

Troy Riecke

0 0.1 km

MAX :

1.348

UNITS :

ug/m**3

DATE :

5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF HIGH 2ND HIGH 24-HR VALUES FOR SOURCE GROUP: ALL



MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :


655

COMMENTS :

**1988, PM10, 24hr, 2nd
high**

MODELER :

Troy Riecke

0  0.1 km

MAX :

5.14429

UNITS :

ug/m3**

DATE :

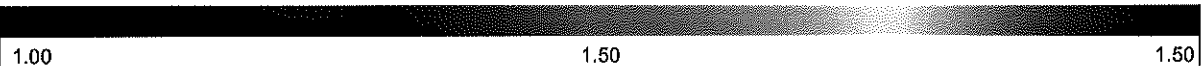
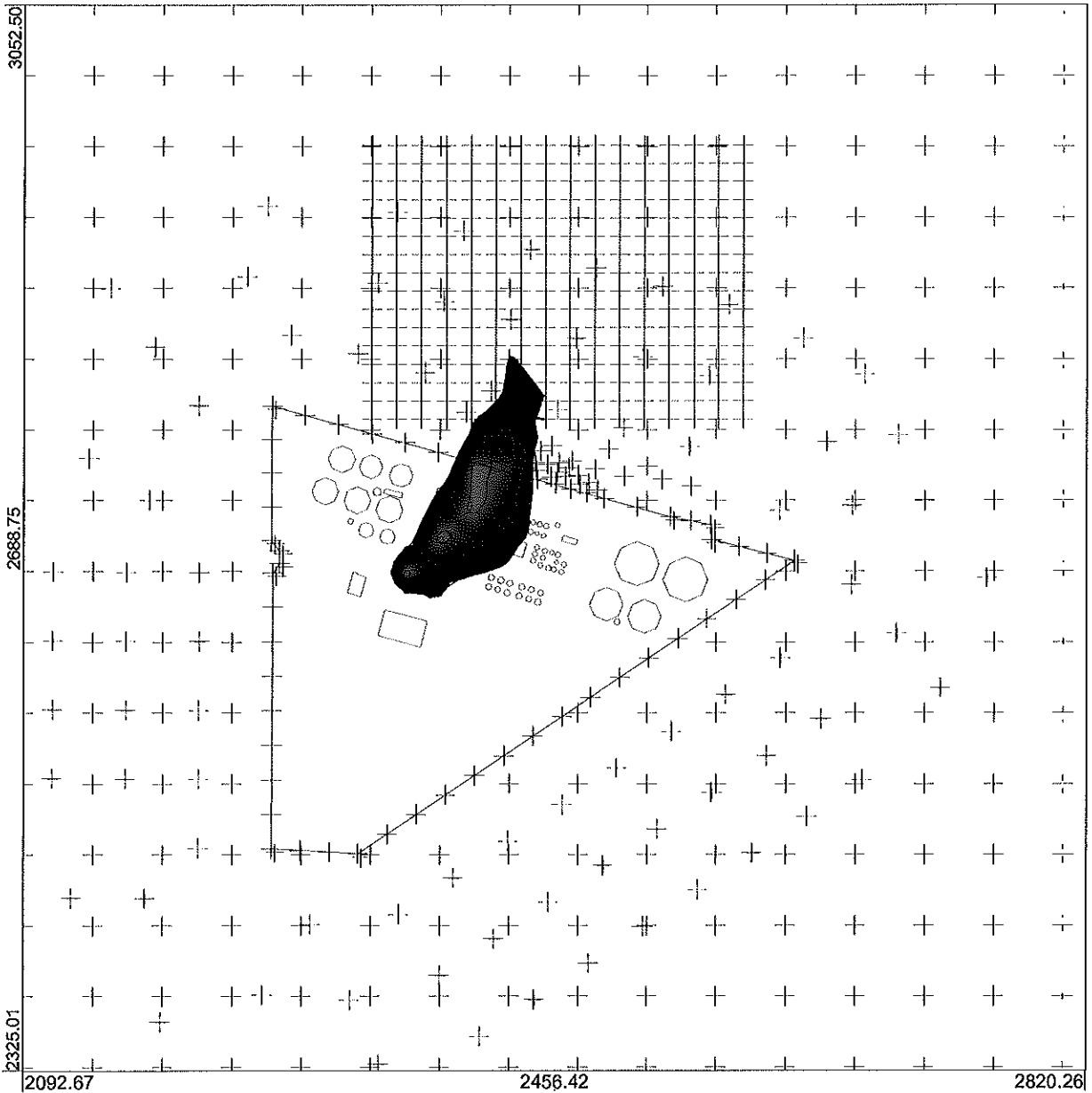
5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL



MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :


655

COMMENTS :

1988, PM10, annual

MODELER :

Troy Riecke

0  0.1 km

MAX :

1.69226

UNITS :

ug/m3**

DATE :

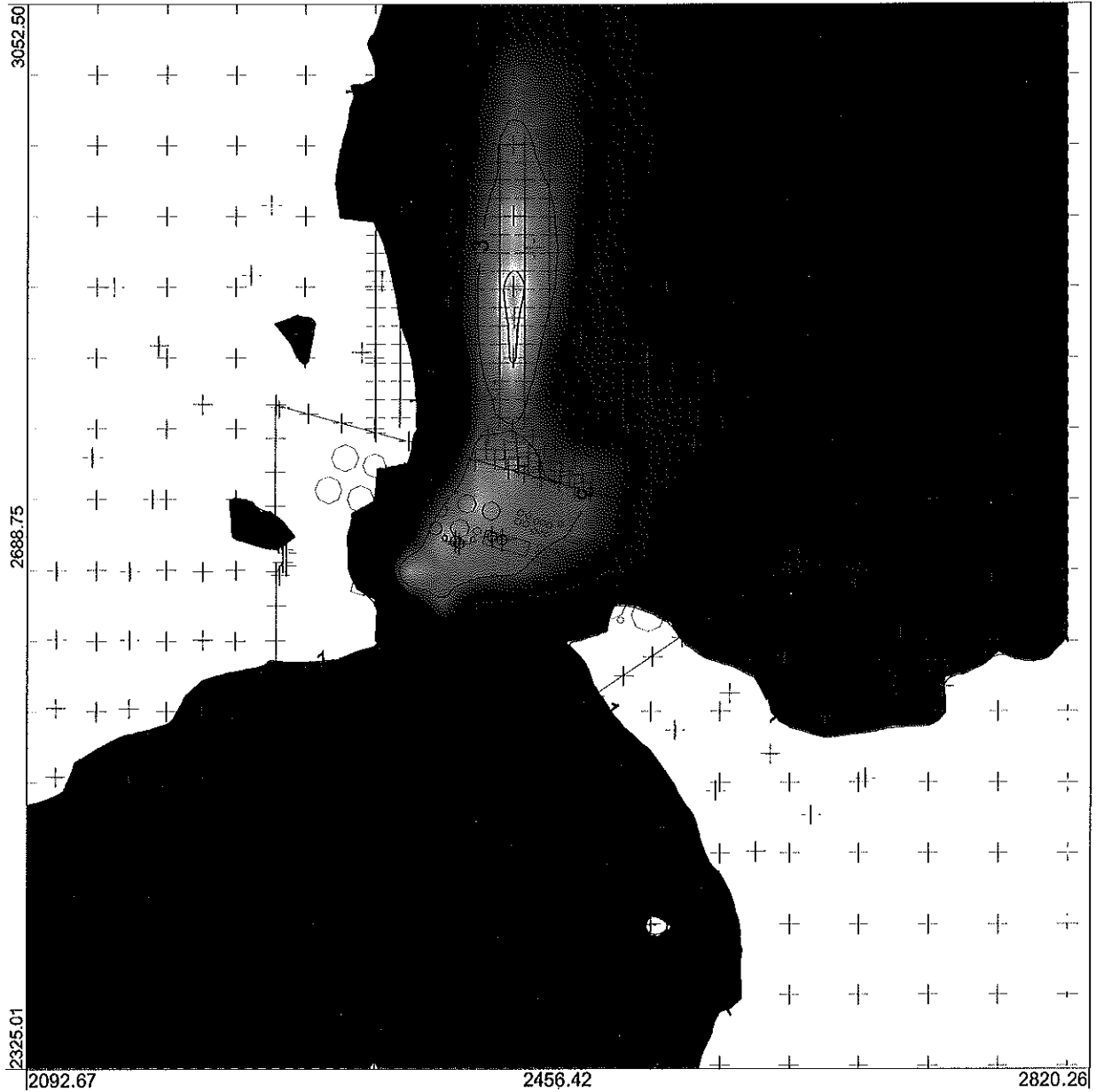
5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF HIGH 2ND HIGH 24-HR VALUES FOR SOURCE GROUP: ALL



MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1989, PM10, 24hr, 2nd
high

MODELER :

Troy Riecke

0 0.1 km

MAX :

4.52315

UNITS :

ug/m**3

DATE :

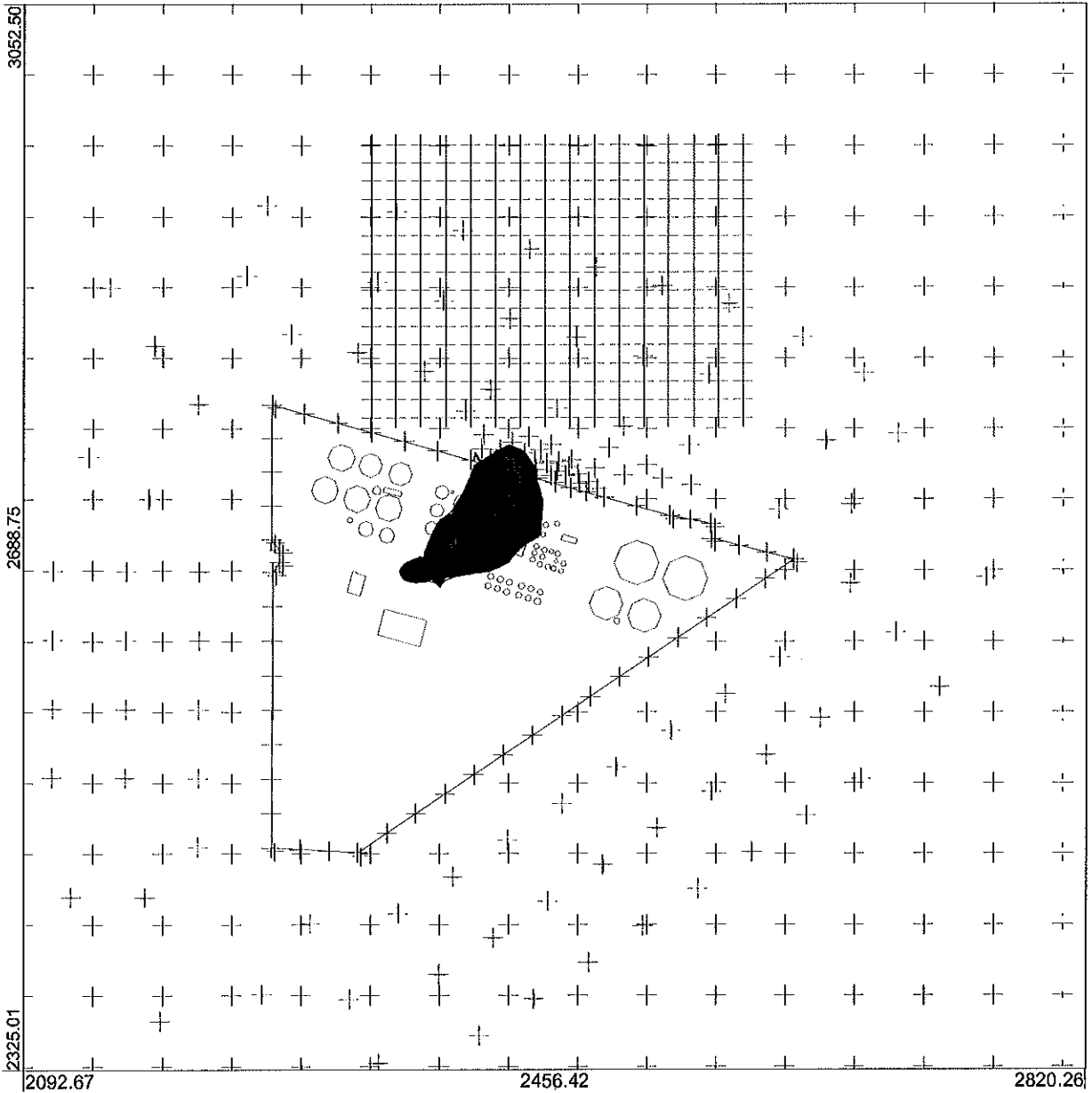
5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL



MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1989, PM10, annual

MODELER :

Troy Riecke

0 0.1 km

MAX :

1.32104

UNITS :

ug/m**3

DATE :

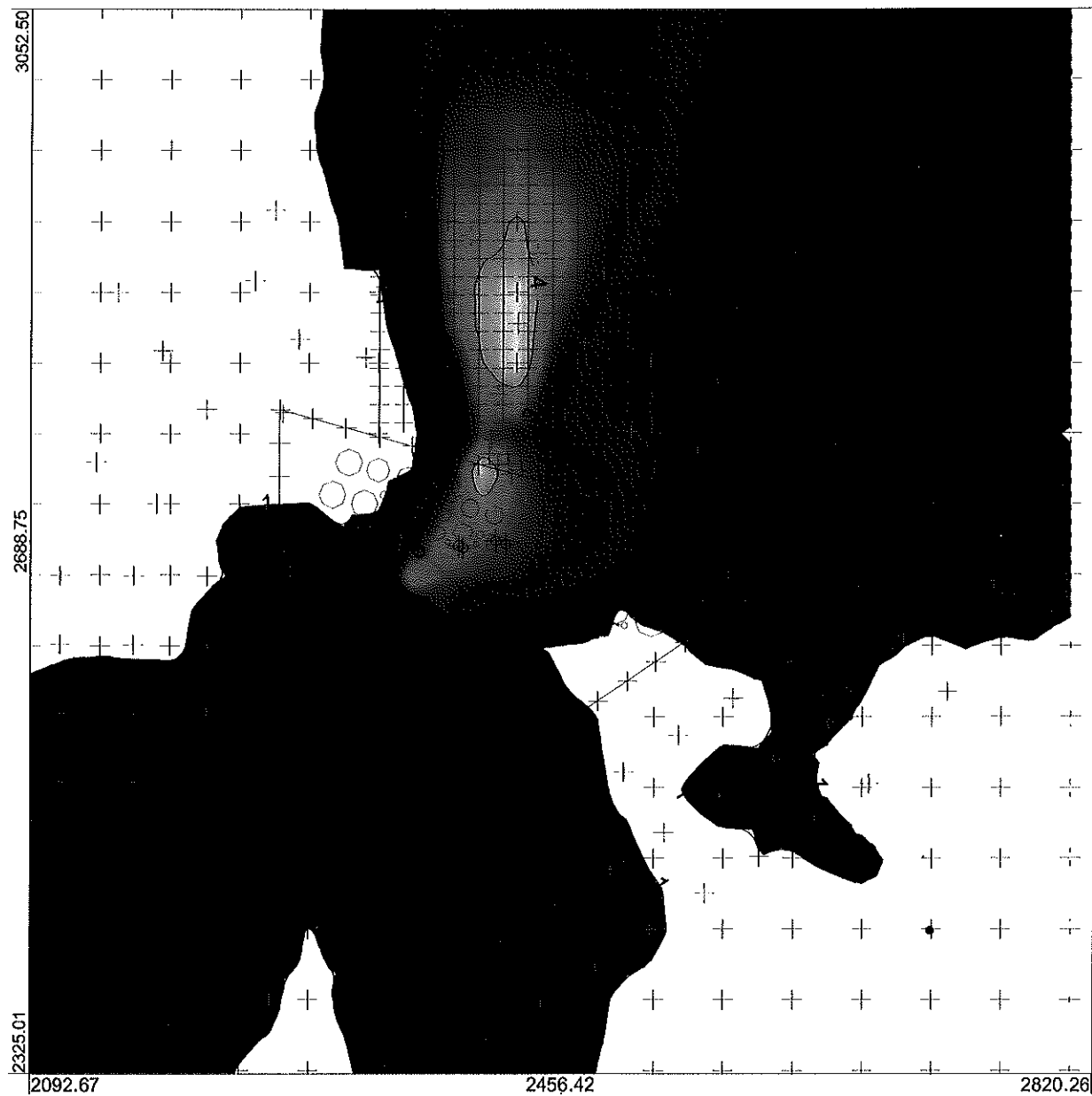
5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF HIGH 2ND HIGH 24-HR VALUES FOR SOURCE GROUP: ALL



MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1990, PM10, 24hr, 2nd
high

MODELER :

Troy Riecke

0  0.1 km

MAX :

5.03219

UNITS :

ug/m3**

DATE :

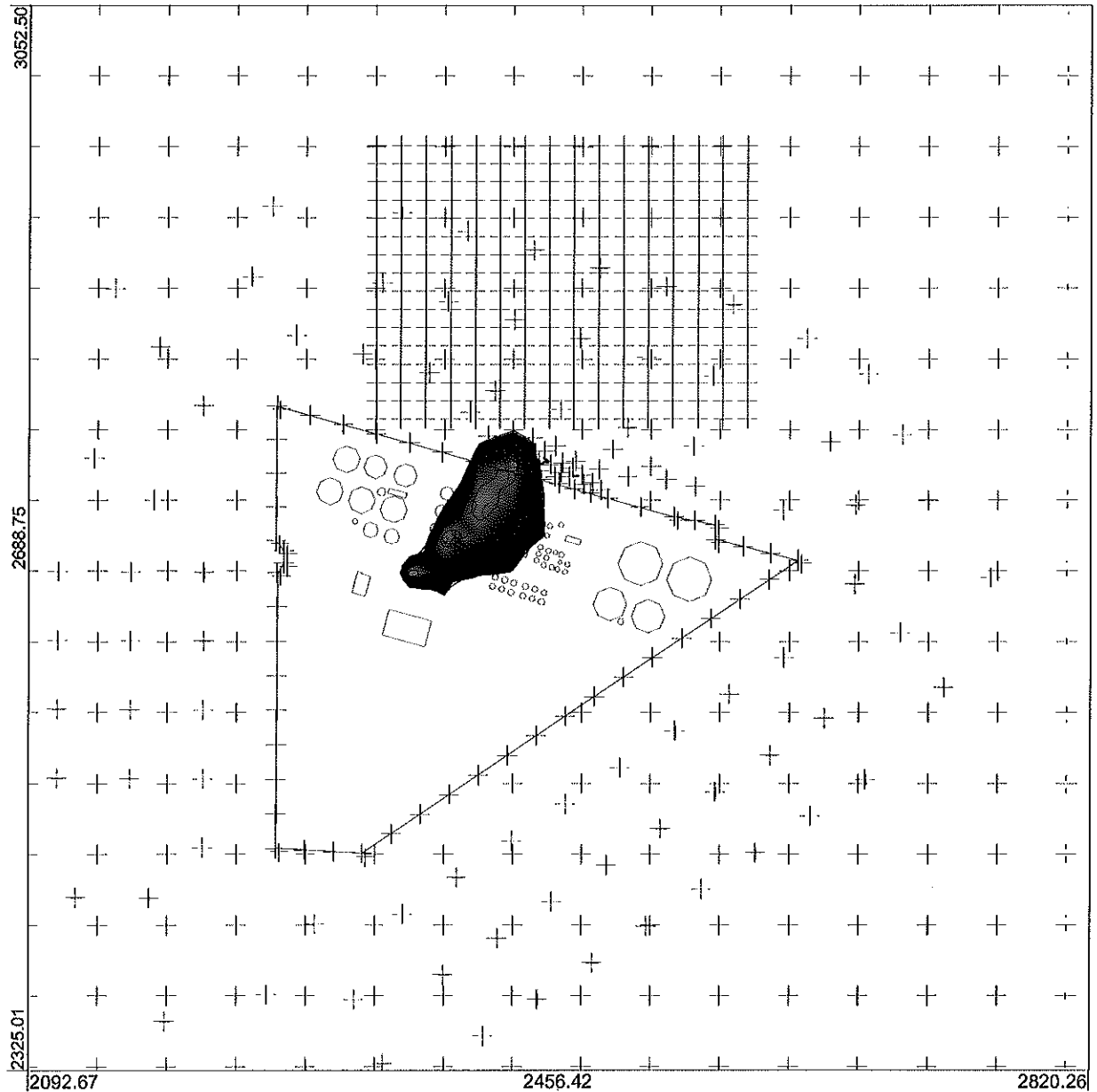
5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL



1.00

1.25

1.25

MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1987, PM10, annual

MODELER :

Troy Riecke

0 0.1 km

MAX :

1.44489

UNITS :

ug/m**3

DATE :

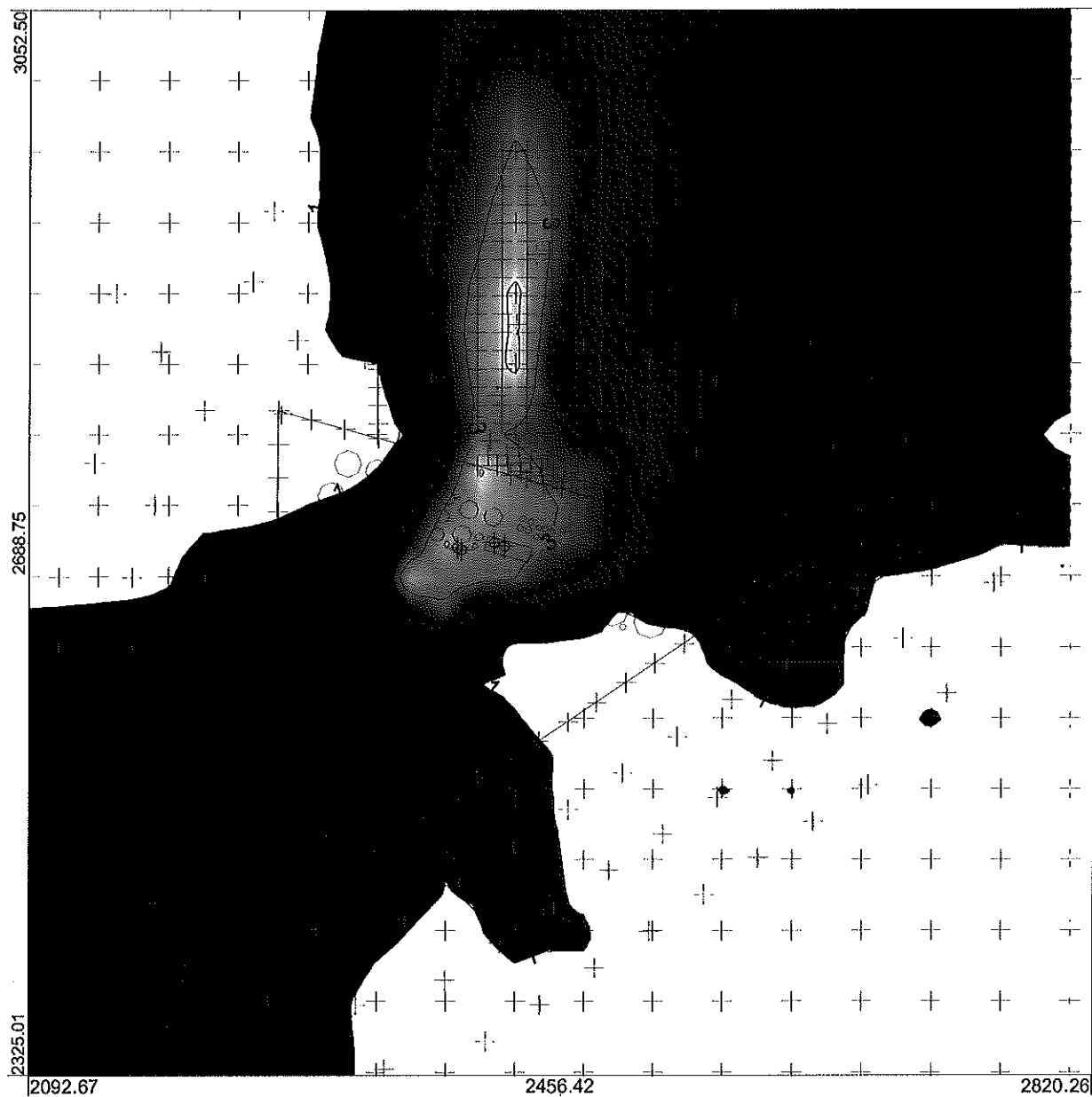
5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF HIGH 2ND HIGH 24-HR VALUES FOR SOURCE GROUP: ALL



MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1991, PM10, 24hr, 2nd
high

MODELER :

Troy Riecke

0  0.1 km

MAX :

4.34149

UNITS :

ug/m3**

DATE :

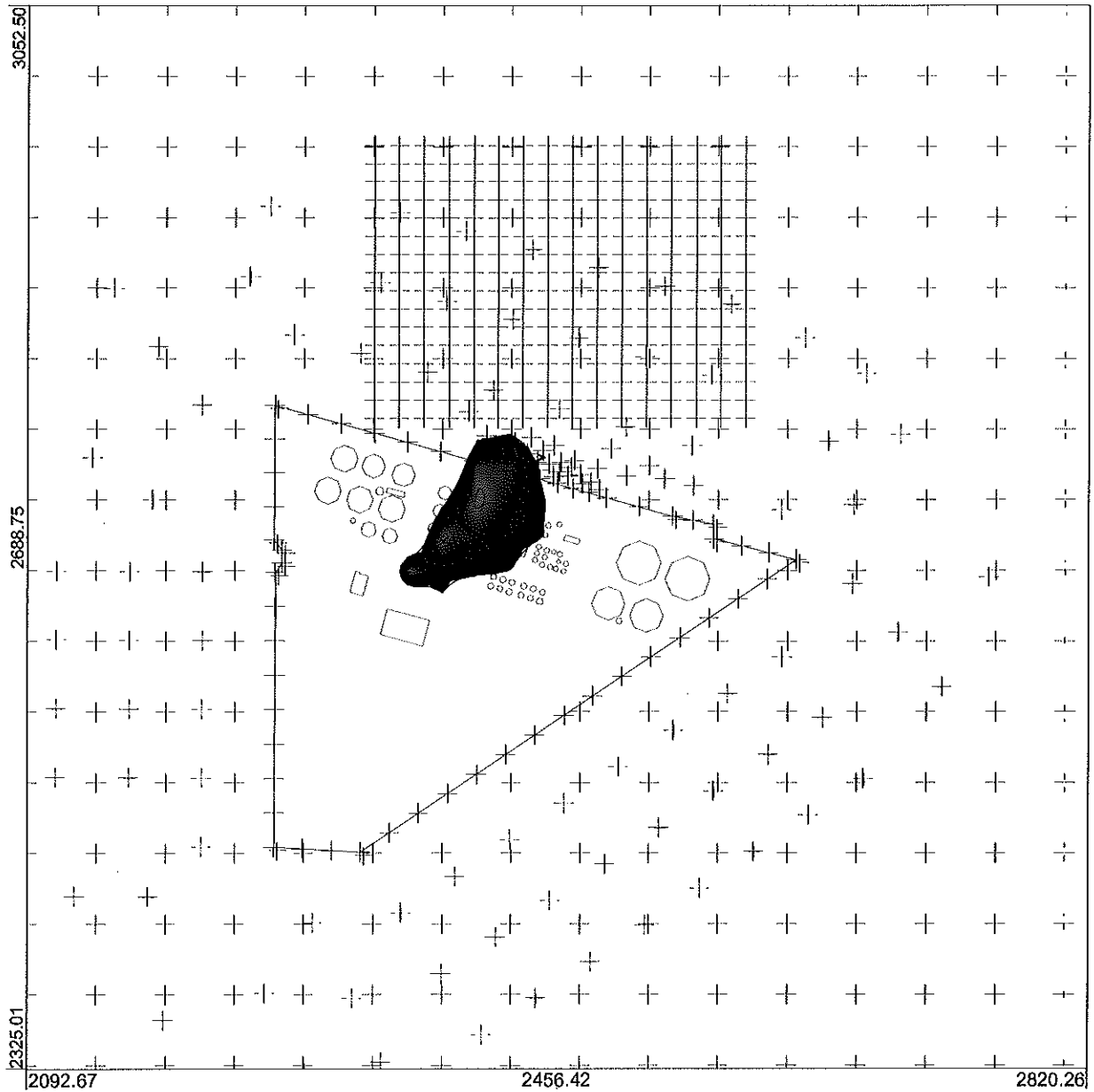
5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL



MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1991, PM10, annual

MODELER :

Troy Riecke

0 0.1 km

MAX :

1.36114

UNITS :

ug/m**3

DATE :

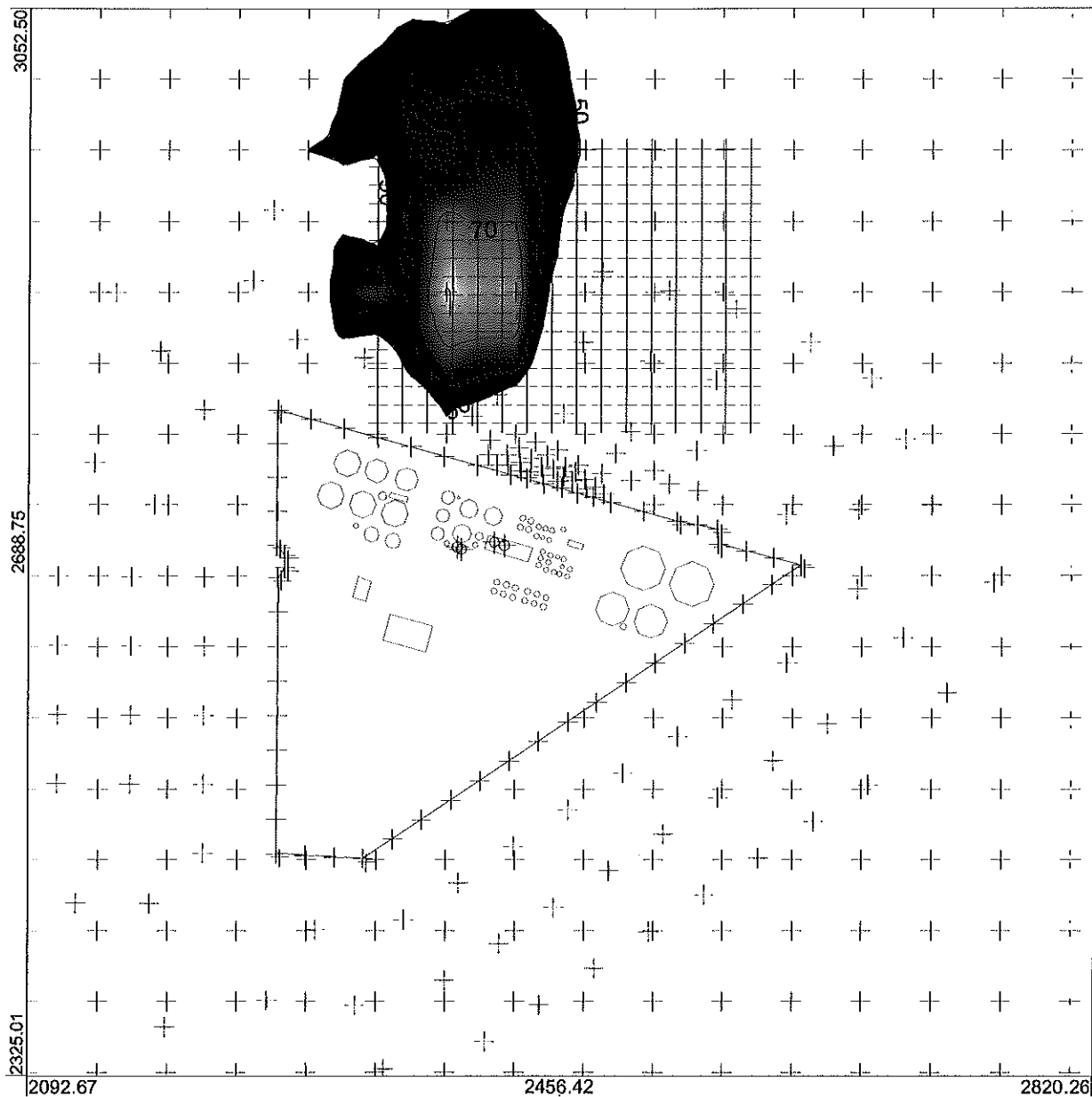
5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF HIGH 2ND HIGH 3-HR VALUES FOR SOURCE GROUP: ALL



MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1987, SOx, 3hr, 2nd high

MODELER :

Troy Riecke

0  0.1 km

MAX :

80.9595

UNITS :

ug/m3**

DATE :

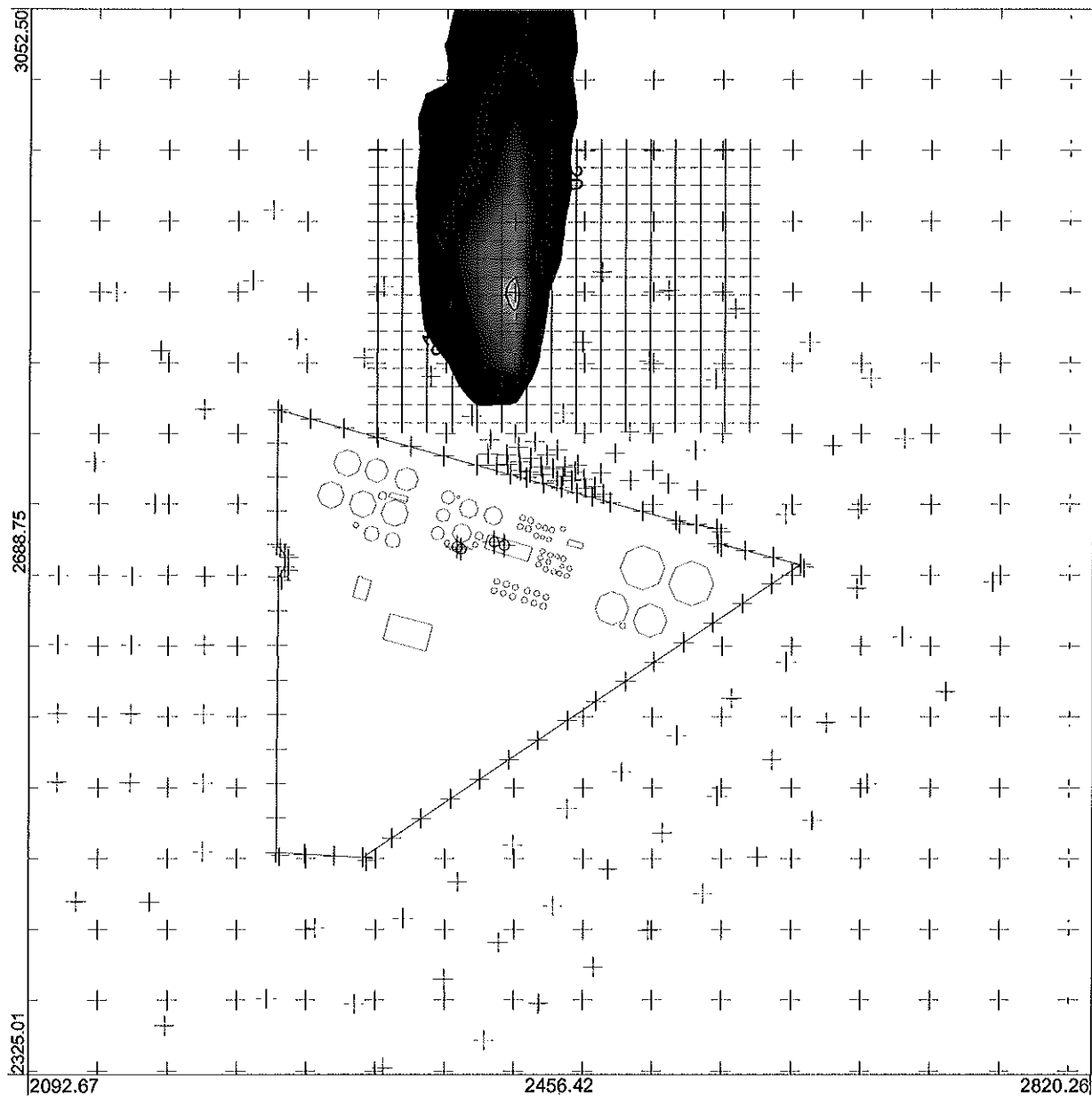
5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF HIGH 2ND HIGH 24-HR VALUES FOR SOURCE GROUP: ALL



20.00

30.00

40.00

MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

**1987, SOx, 24hr, 2nd
high**

MODELER :

Troy Riecke

0  0.1 km

MAX :

42.56276

UNITS :

ug/m3**

DATE :

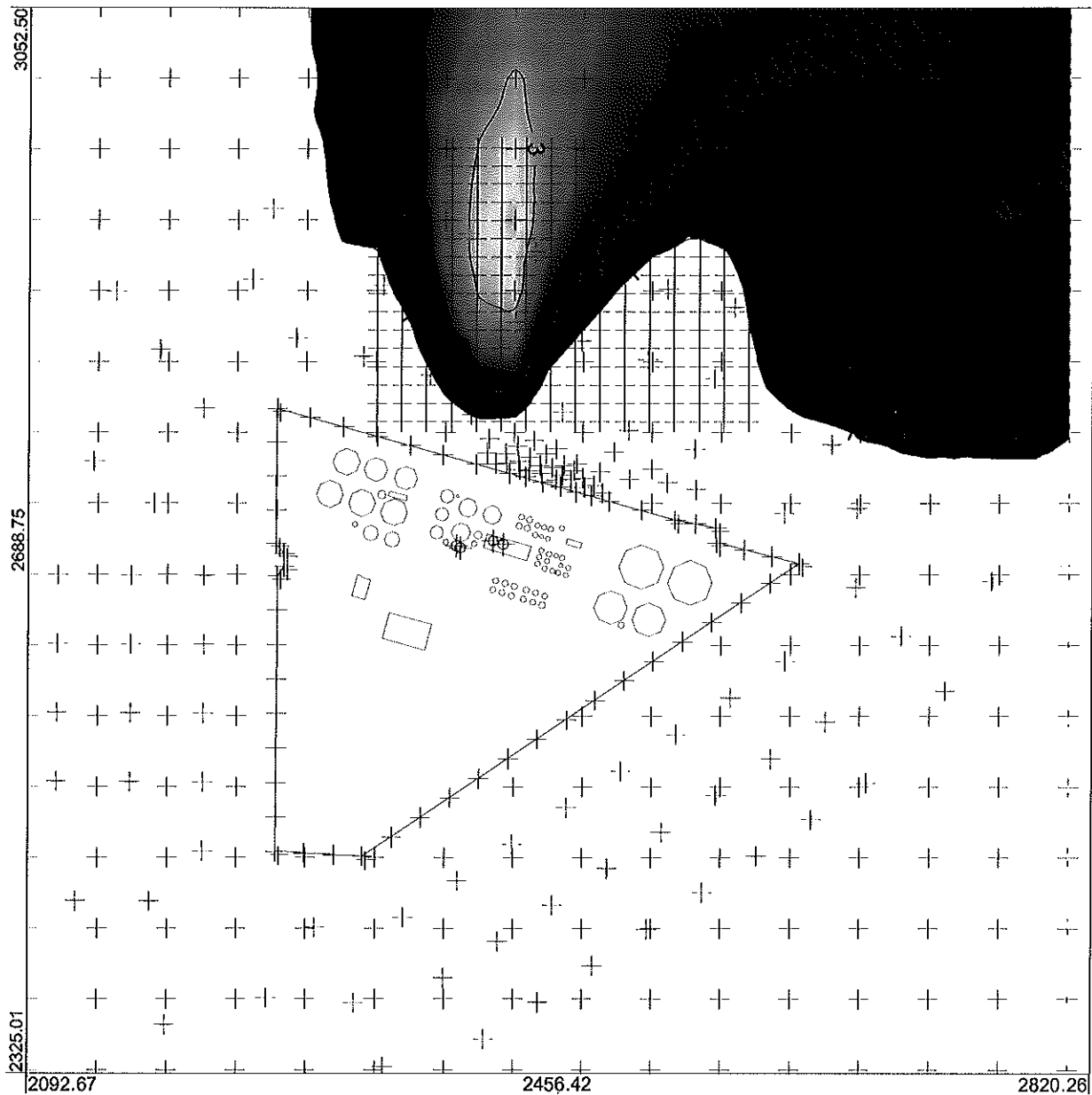
5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL



MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1987, SOx, annual

MODELER :

Troy Riecke

0  0.1 km

MAX :

3.54686

UNITS :

ug/m3**

DATE :

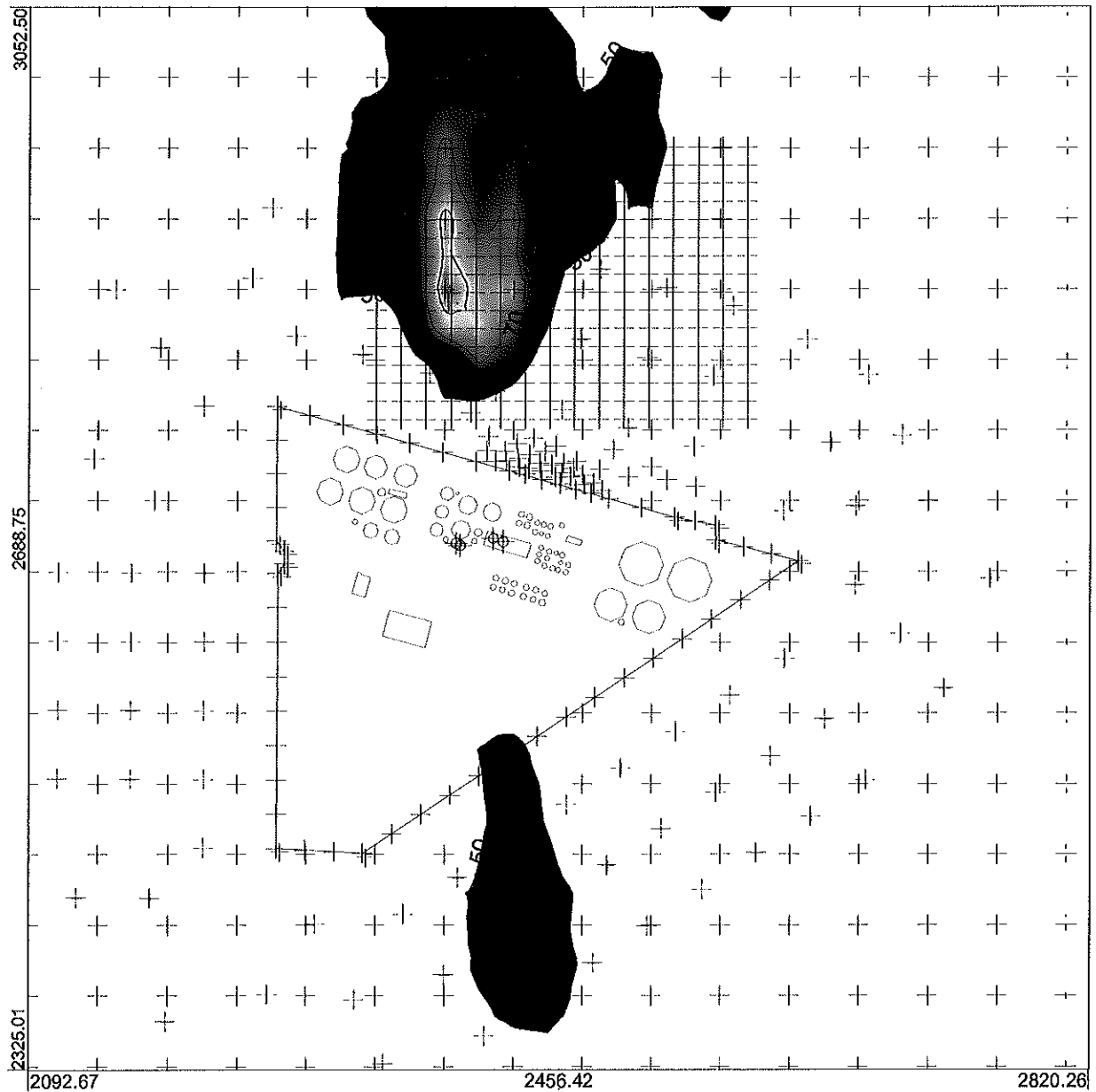
5/29/2006


PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF HIGH 2ND HIGH 3-HR VALUES FOR SOURCE GROUP: ALL

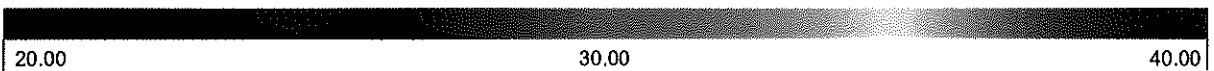
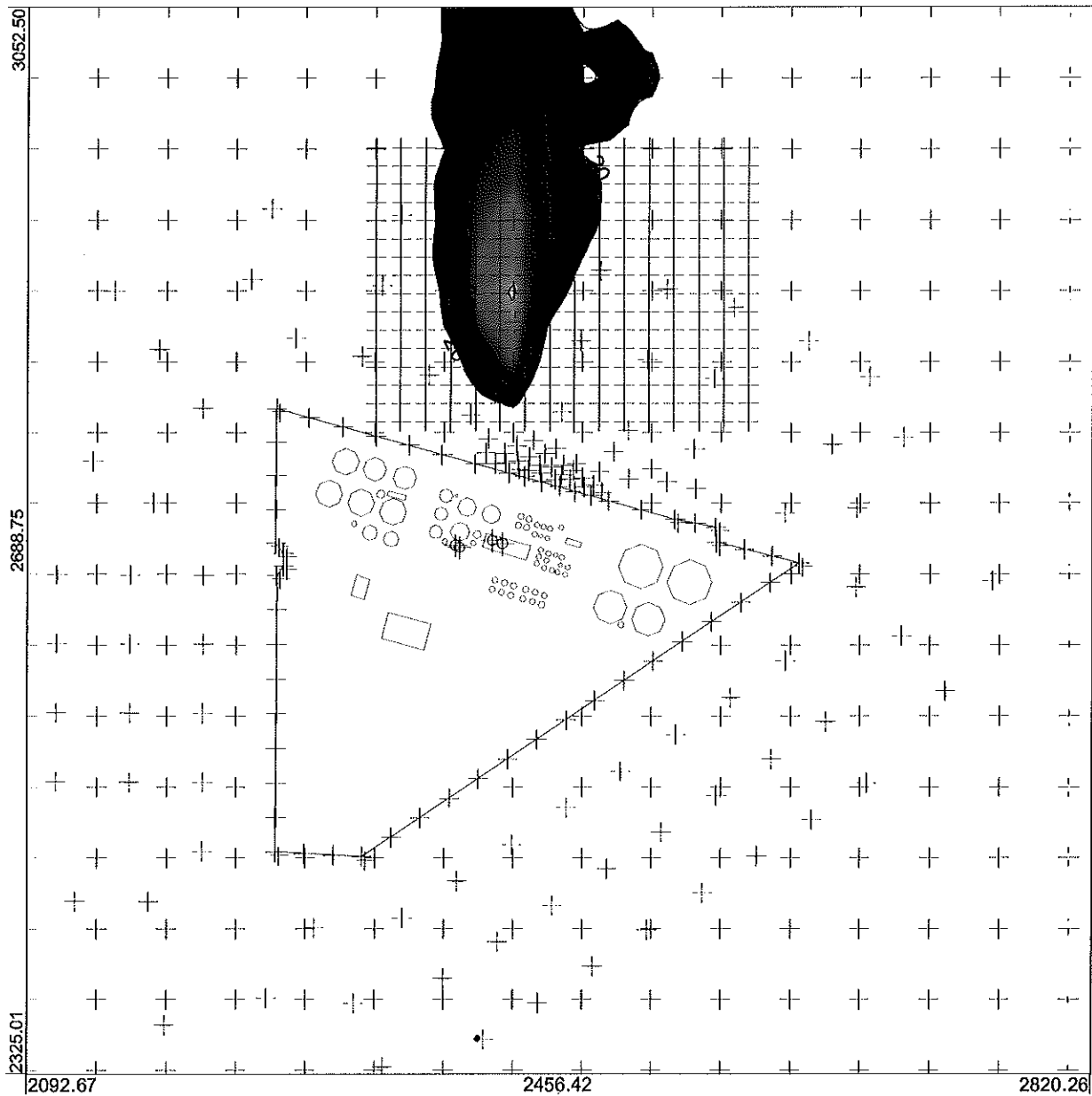


MODELING OPTIONS :			COMPANY NAME :	
CONC, RURAL, FLAT, DFAULT			Millennium Science & Engineering, Inc.	
OUTPUT TYPE :	RECEPTORS :	COMMENTS :	MODELER :	0  0.1 km
CONC	655		Troy Riecke	
MAX :	UNITS :		DATE :	PROJECT/PLOT NO. :
87.70512	ug/m**3		5/29/2006	

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF HIGH 2ND HIGH 24-HR VALUES FOR SOURCE GROUP: ALL



MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1988, SOx, 24hr, 2nd
hgh

MODELER :

Troy Riecke

0  0.1 km

MAX :

43.93968

UNITS :

ug/m**3

DATE :

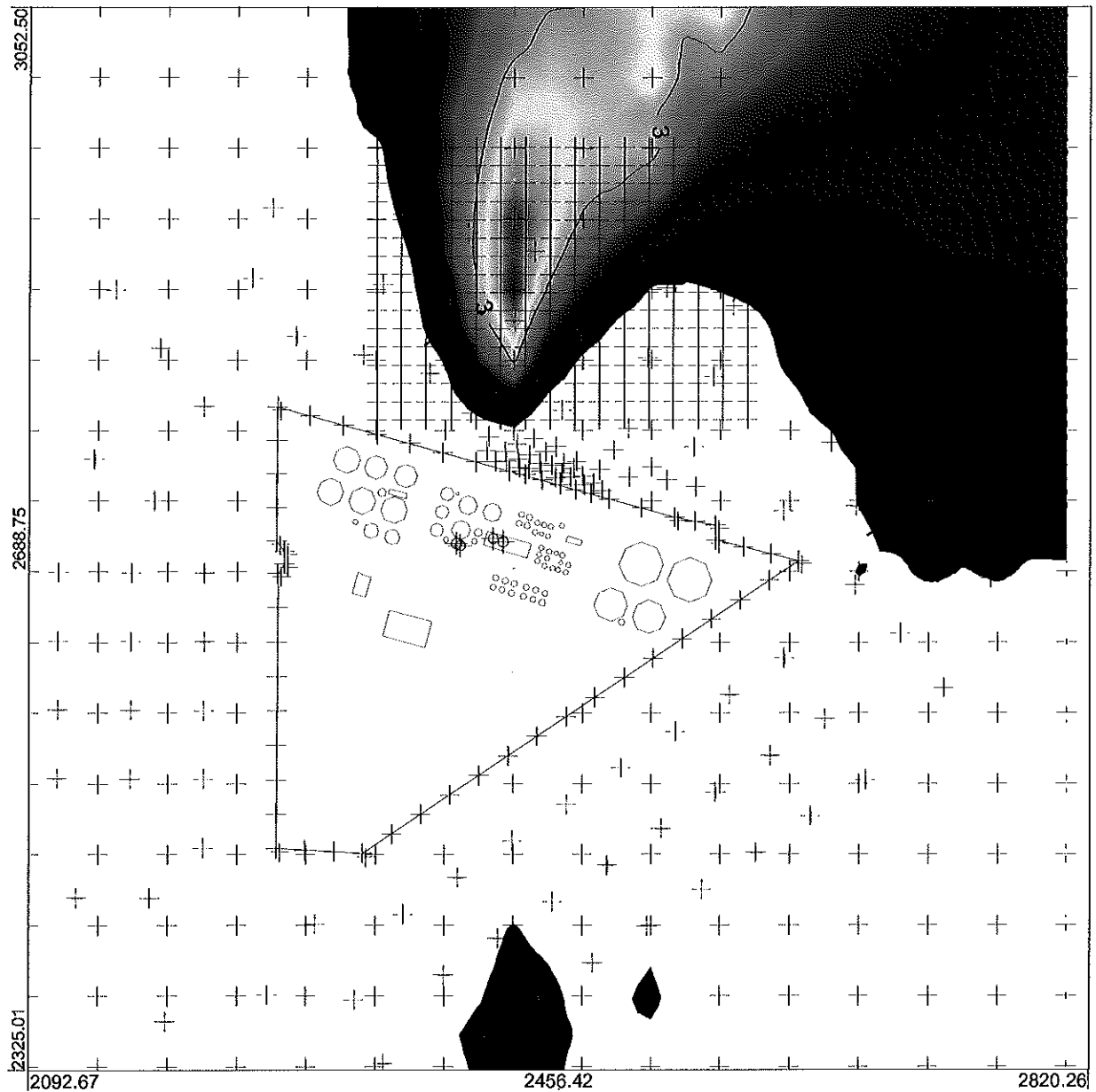
5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL



MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1988, SOx, annual

MODELER :

Troy Riecke

0 0.1 km

MAX :

3.81775

UNITS :

ug/m**3

DATE :

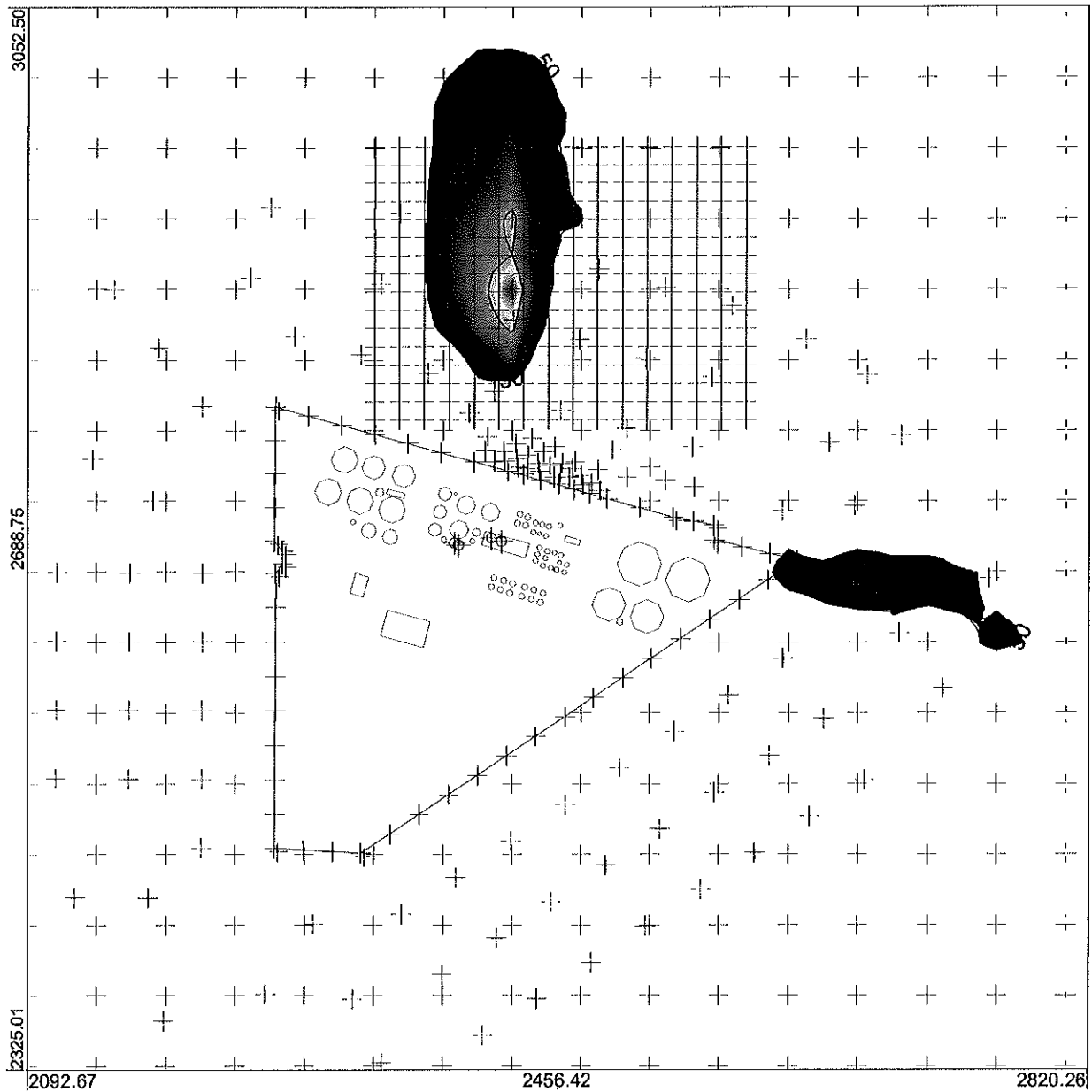
5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF HIGH 2ND HIGH 3-HR VALUES FOR SOURCE GROUP: ALL



50.00

60.00

70.00

MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1989, SOx, 3hr, 2nd high

MODELER :

Troy Riecke

0 0.1 km

MAX :

77.95544

UNITS :

ug/m**3

DATE :

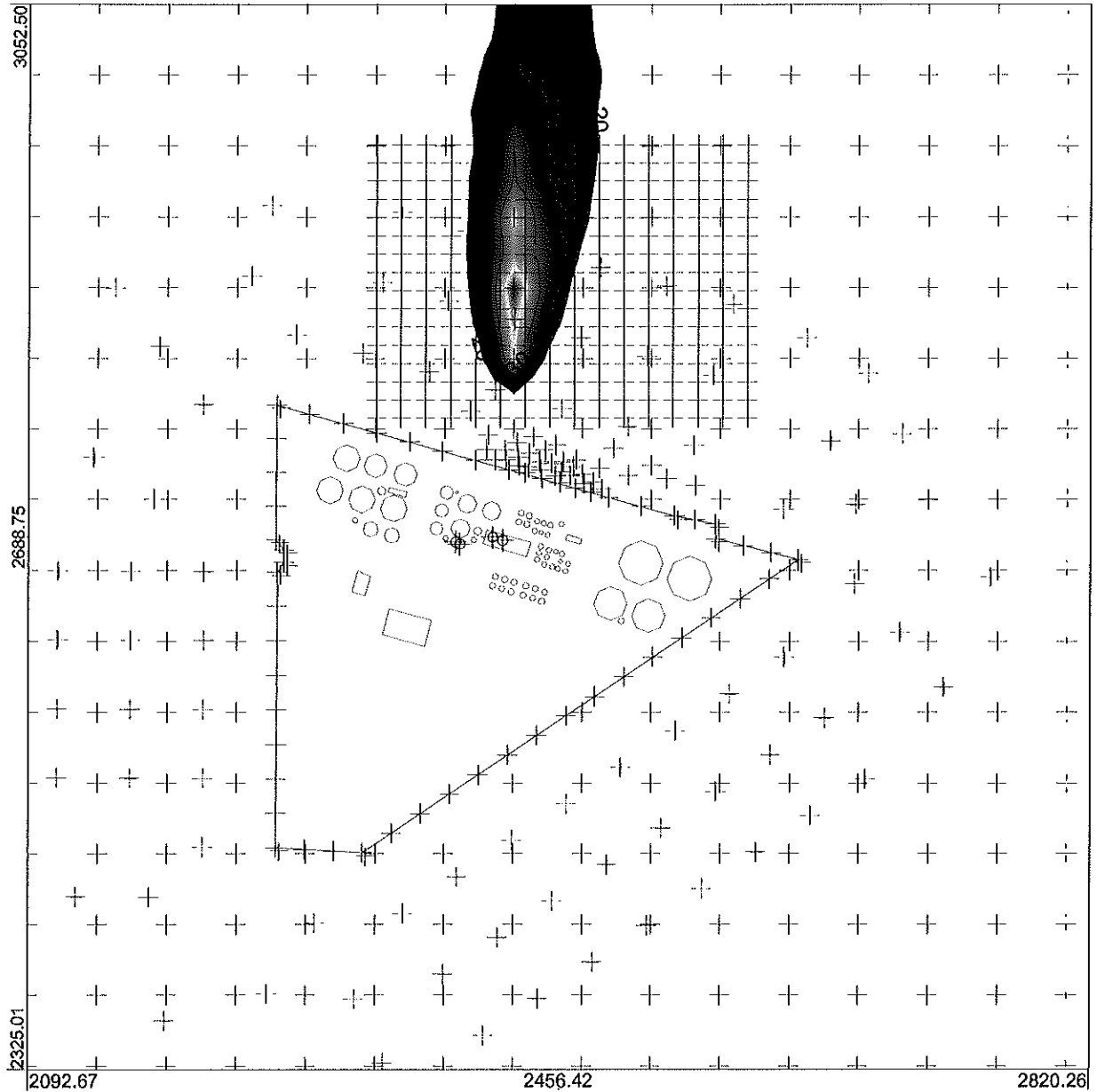
5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF HIGH 2ND HIGH 24-HR VALUES FOR SOURCE GROUP: ALL



20.00

30.00

30.00

MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1989, SOx, 24hr, 2nd
high

MODELER :

Troy Riecke

0 0.1 km

MAX :

38.80025

UNITS :

ug/m**3

DATE :

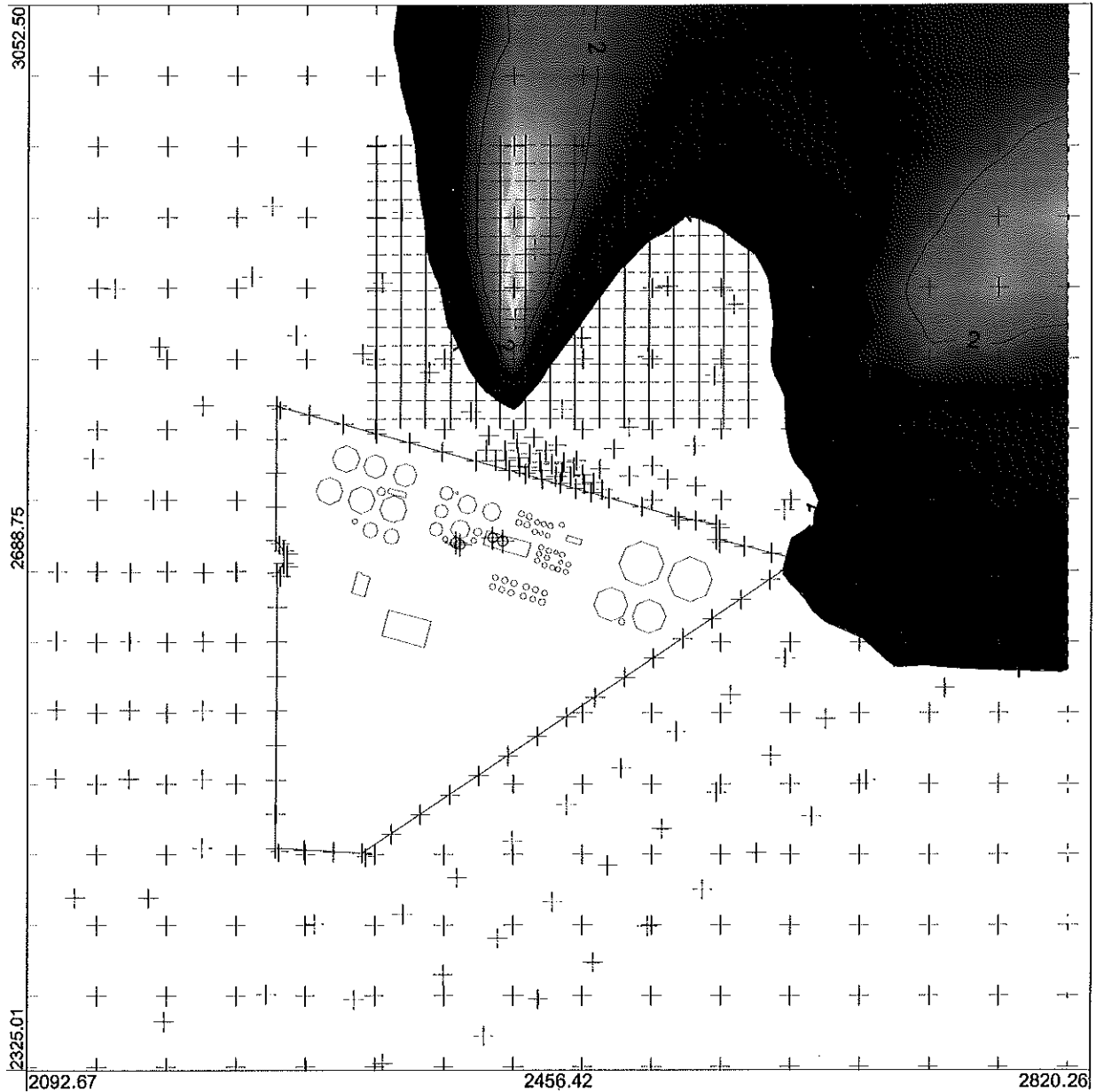
5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL



1.00

2.00

2.00

MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1989, SOx, annual

MODELER :

Troy Riecke

0  0.1 km

MAX :

2.65676

UNITS :

ug/m3**

DATE :

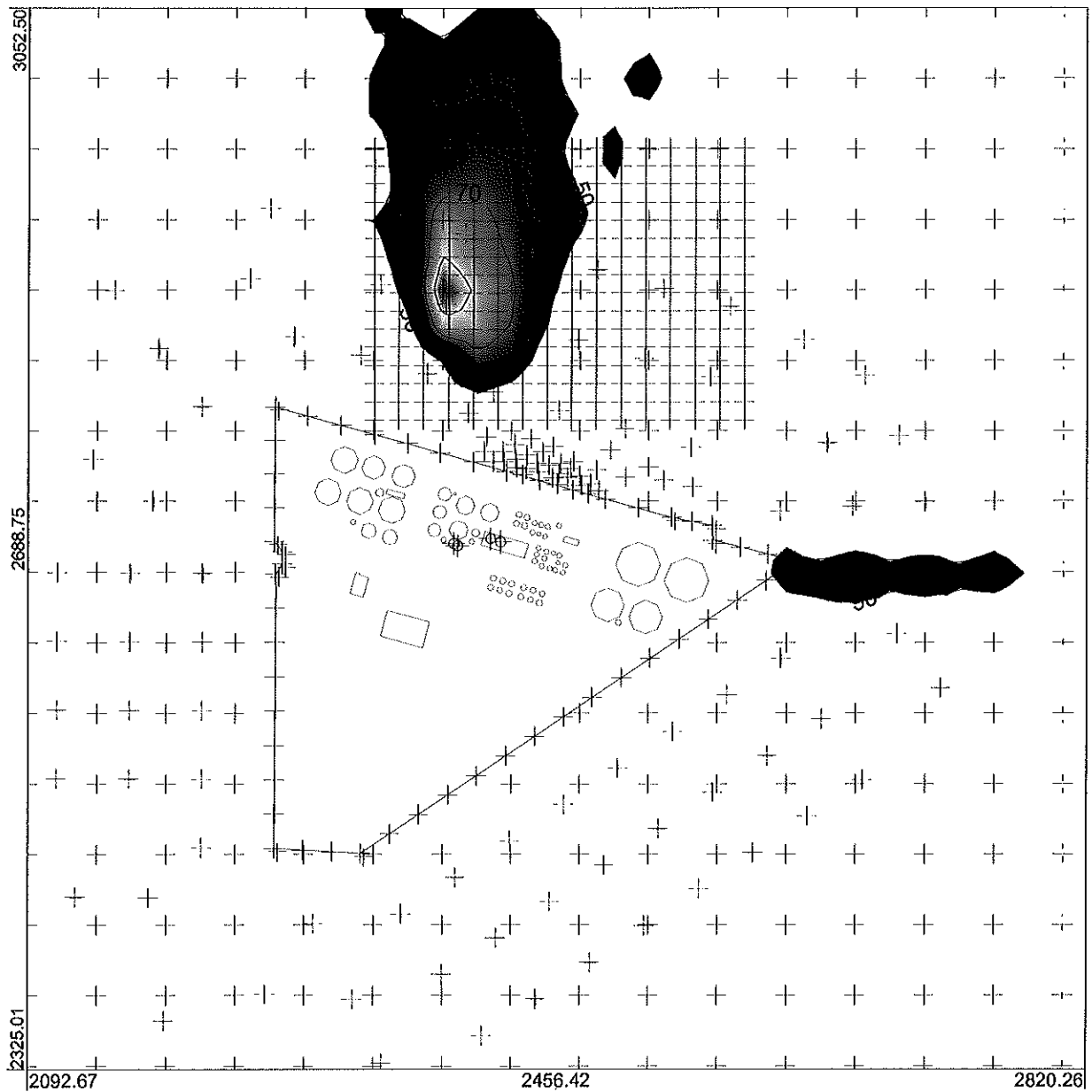
5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF HIGH 2ND HIGH 3-HR VALUES FOR SOURCE GROUP: ALL



50.00

70.00

80.00

MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1990, SOx, 3hr, 2nd high

MODELER :

Troy Riecke

0 0.1 km

MAX :

88.90826

UNITS :

ug/m**3

DATE :

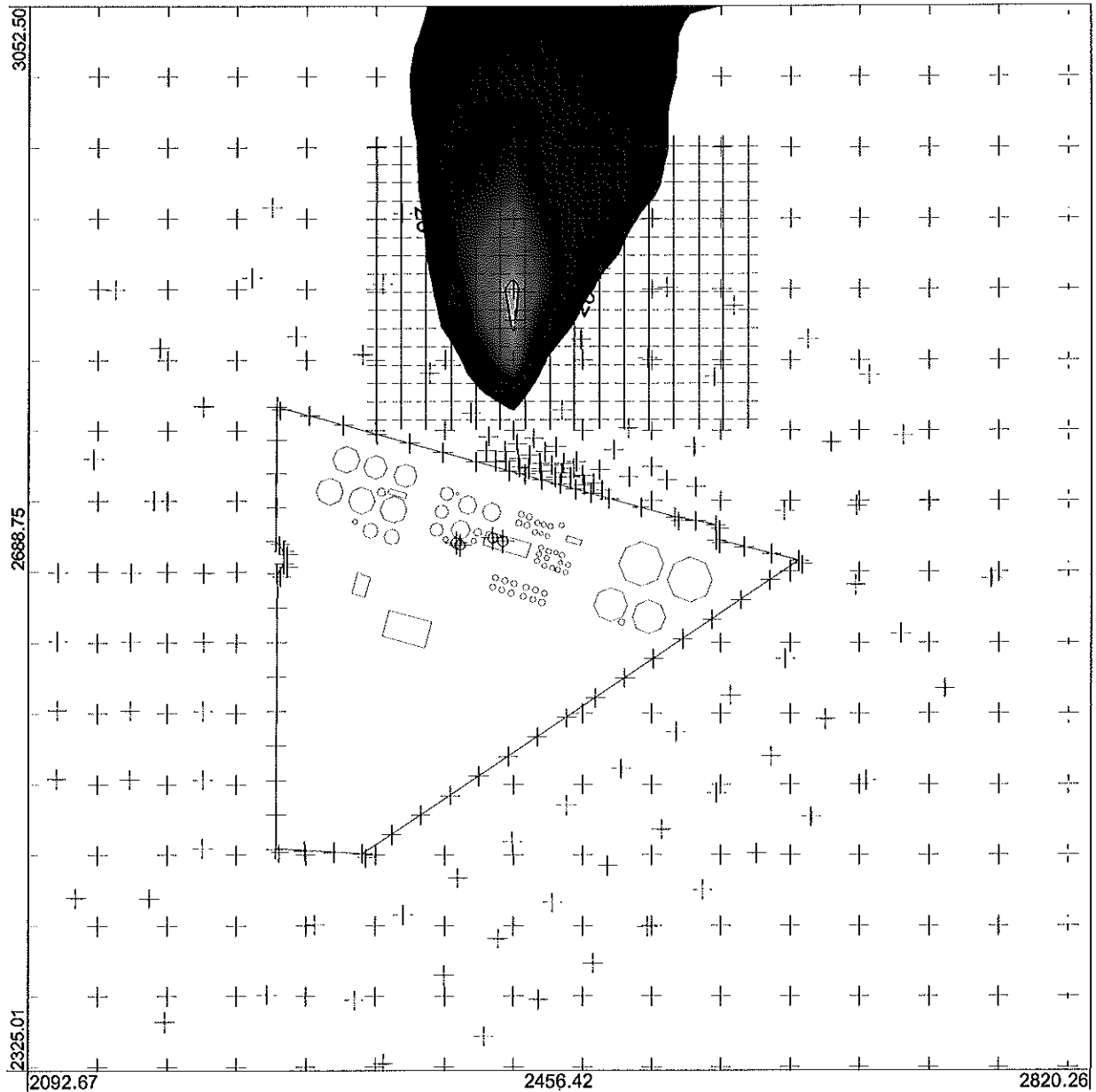
5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF HIGH 2ND HIGH 24-HR VALUES FOR SOURCE GROUP: ALL



20.00

30.00

40.00

MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

**1990, SOx, 24hr, 2nd
high**

MODELER :

Troy Riecke

0  0.1 km

MAX :

41.75246

UNITS :

ug/m3**

DATE :

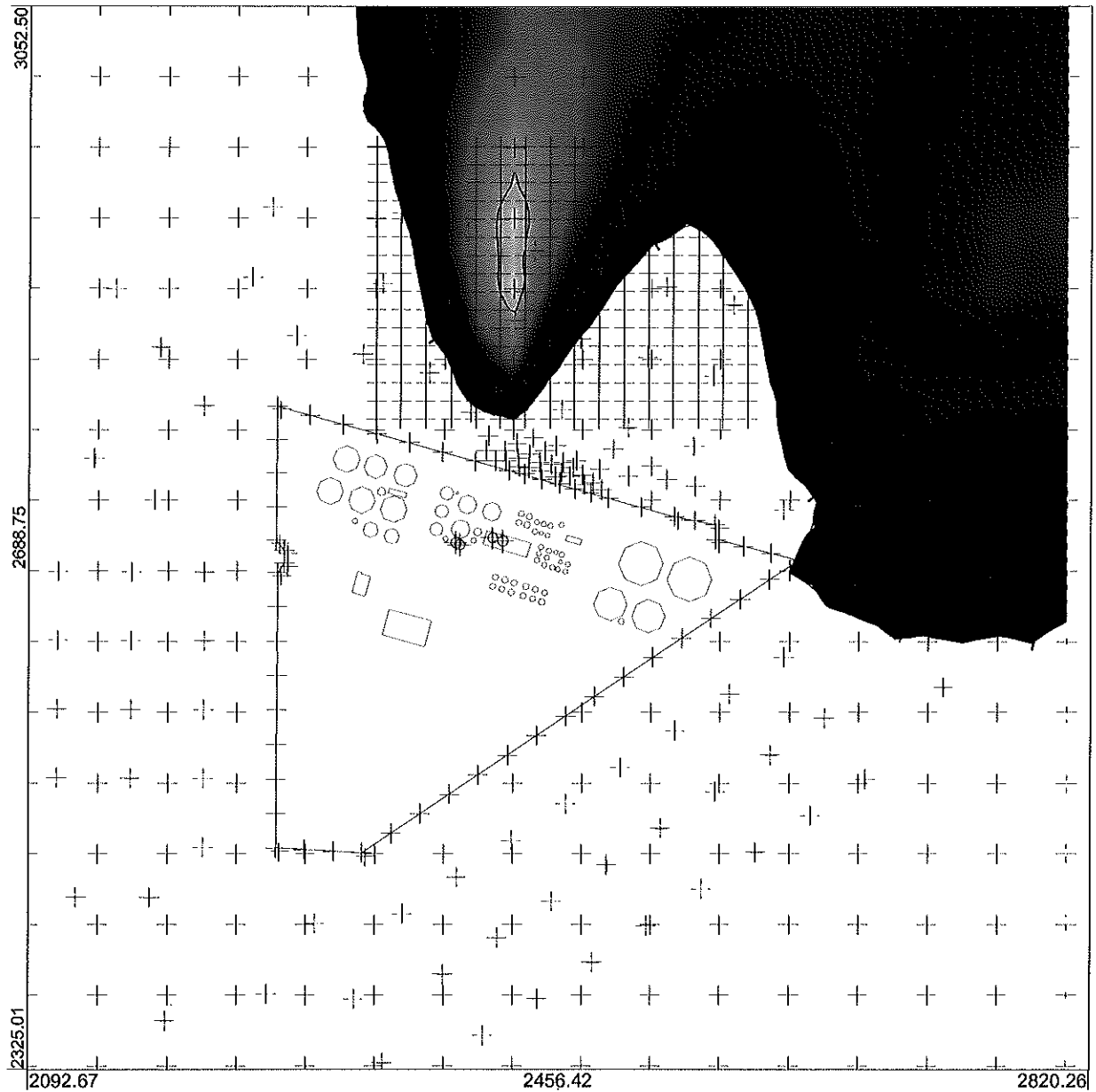
5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL



MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1990, SOx, annual

MODELER :

Troy Riecke

0  0.1 km

MAX :

3.27976

UNITS :

ug/m3**

DATE :

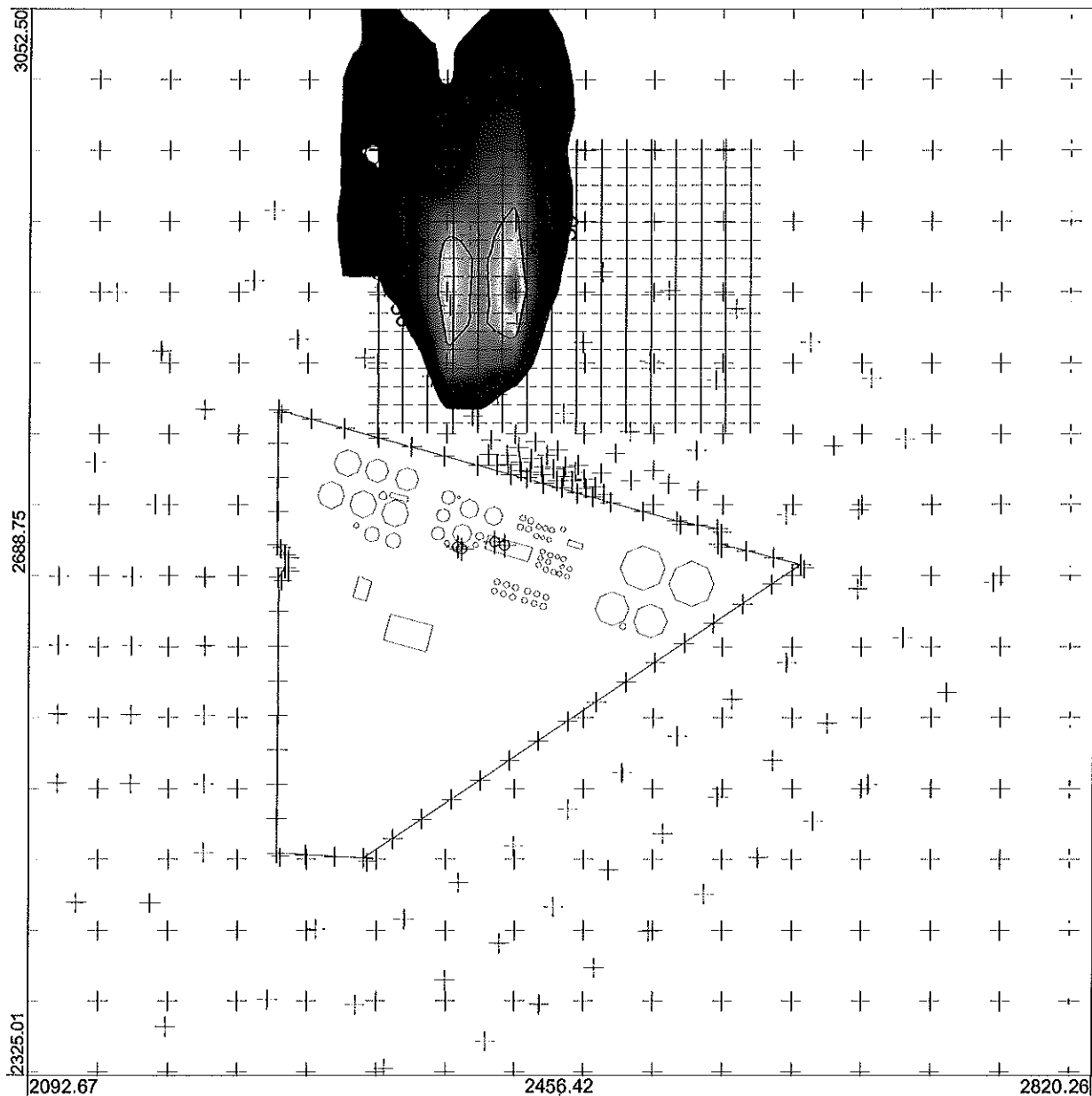
5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF HIGH 2ND HIGH 3-HR VALUES FOR SOURCE GROUP: ALL



MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1991, SOx, 3hr, 2nd high

MODELER :

Troy Riecke

0  0.1 km

MAX :

78.76009

UNITS :

ug/m3**

DATE :

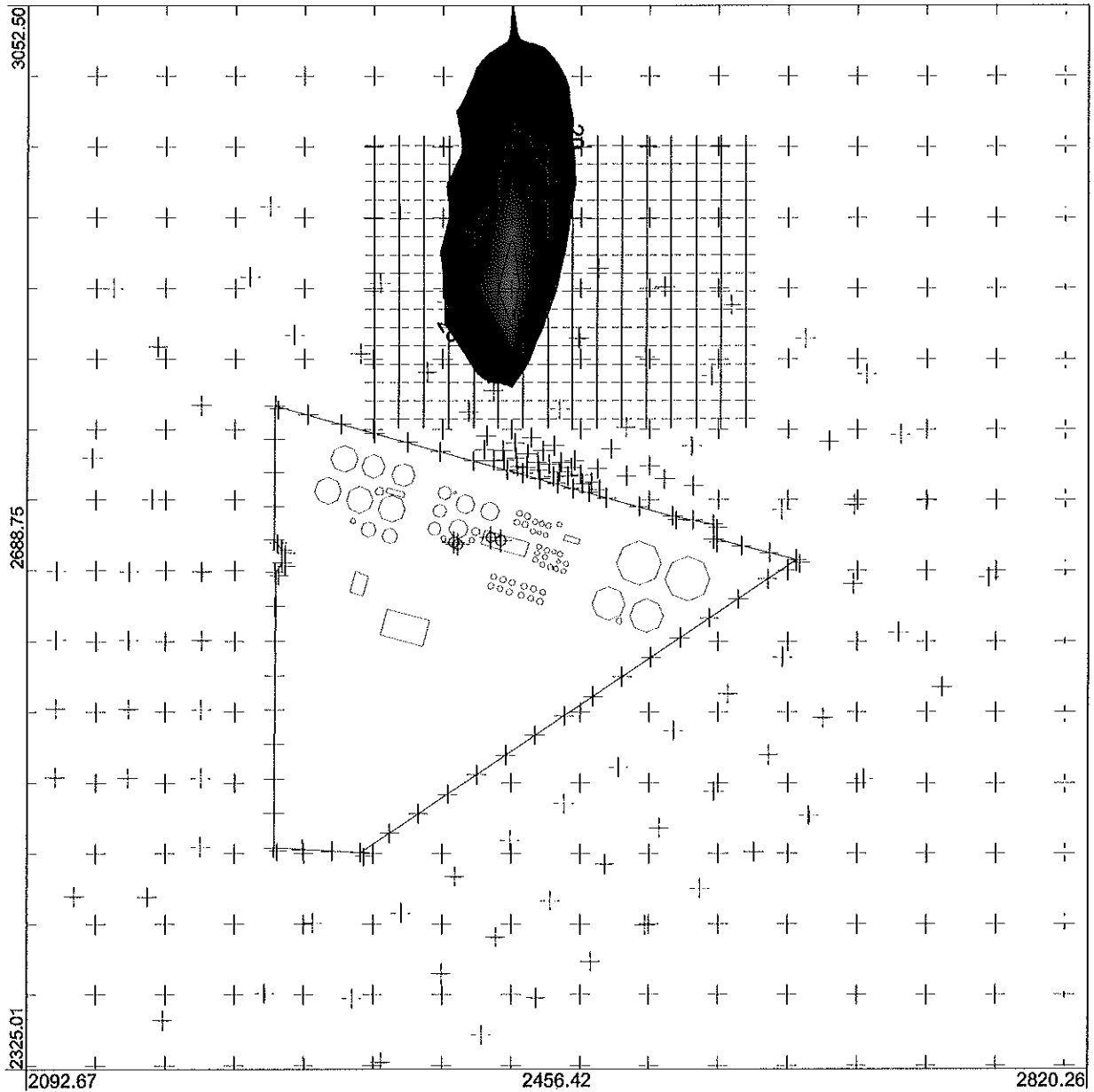
5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF HIGH 2ND HIGH 24-HR VALUES FOR SOURCE GROUP: ALL



20.00

30.00

30.00

MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :

655

COMMENTS :

1991, SOx, 24hr, 2nd
high

MODELER :

Troy Riecke

0 0.1 km

MAX :

33.36945

UNITS :

ug/m**3

DATE :

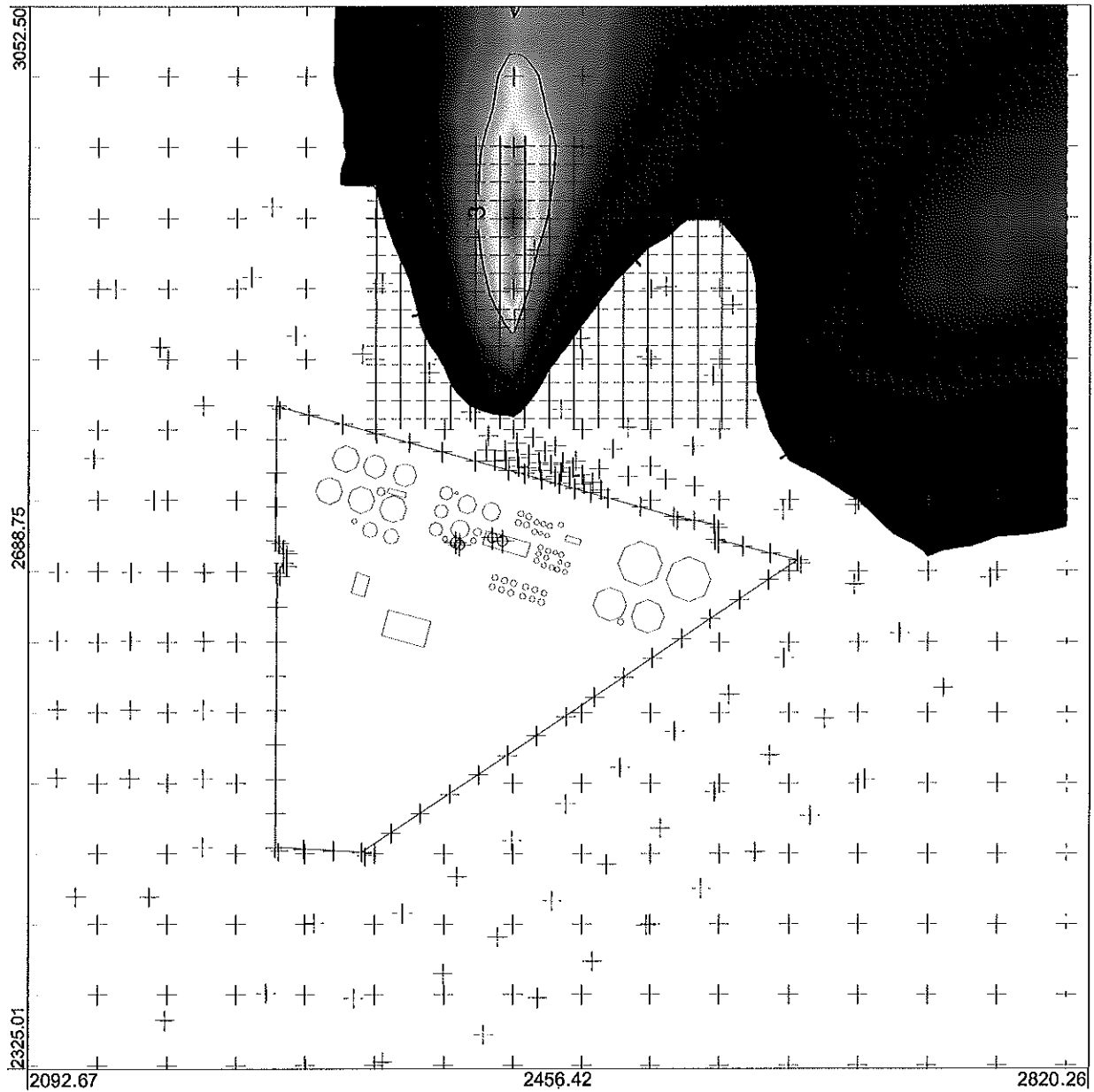
5/29/2006

PROJECT/PLOT NO. :

PROJECT NAME :

Idaho Asphalt Supply

PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: ALL



1.00

2.00

3.00

MODELING OPTIONS :

CONC, RURAL, FLAT, DFAULT

COMPANY NAME :

Millennium Science & Engineering, Inc.

OUTPUT TYPE :

CONC

RECEPTORS :


655

COMMENTS :

1991, SOx, annual

MODELER :

Troy Riecke

0  0.1 km

MAX :

3.7011

UNITS :

ug/m3**

DATE :

5/29/2006

PROJECT/PLOT NO. :

APPENDIX F

**STORAGE TANK NSPS APPLICABILITY
EVALUATION**



Idaho Asphalt Supply, Inc.
Blackfoot, Idaho Facility

TANK ID	PRODUCT DESCRIPTION	Average_VP (kpa)	VOLUME (gallons)	< 75 m ³ ?	<151m ³ ?	A_VP<3.5kpa?	A_VP<15kpa?	Exempt?
Tank 10	Asphalt Cement storage	0.1	414,555	no	no	yes	yes	exempt
Tank 12	Cracked Heavy Oil Alkyl Amines Storage	0.1	7,050	yes	yes	yes	yes	exempt
Tank 13	Asphalt Cement storage	0.1	846,030	no	no	yes	yes	exempt
Tank 14	Asphalt Cement storage	0.1	846,030	no	no	yes	yes	exempt
Tank 15	Asphalt Cement storage	0.1	846,030	no	no	yes	yes	exempt
Tank 16	Asphalt Cement storage	0.1	635,462	no	no	yes	yes	exempt
Tank 17	Asphalt Cement storage	0.1	846,030	no	no	yes	yes	exempt
Tank 18	Asphalt Cement storage	0.1	635,462	no	no	yes	yes	exempt
Tank 19	Cracked Heavy Oil Alkyl Amines Storage	0.1	11,374	yes	yes	yes	yes	exempt
Tank 2	Cutback Storage	1.3	41,455	no	no	yes	yes	exempt
Tank 20	Cracked Heavy Oil Alkyl Amines Storage	0.1	13,536	yes	yes	yes	yes	exempt
Tank 22	Asphalt Cutback storage	1.3	18,425	yes	yes	yes	yes	exempt
Tank 23	Asphalt Cutback storage	1.3	18,425	yes	yes	yes	yes	exempt
Tank 2320-1	Asphalt Cement Process Tank	0.1	2,015	yes	yes	yes	yes	exempt
Tank 24	Catalytic Cracked Oil Storage	0.1	27,073	no	yes	yes	yes	exempt
Tank 25	#1 Diesel Fuel Storage	0.4	17,767	yes	yes	yes	yes	exempt
Tank 26	Asphalt Cutback	1.3	27,073	no	yes	yes	yes	exempt
2005 Tank 27	#1 Diesel Fuel Storage	0.4	17,767	yes	yes	yes	yes	exempt
Tank 28	Asphalt Cutback	1.3	27,073	no	yes	yes	yes	exempt
Tank 29	Naphtha storage	3.8	17,767	yes	yes	no	yes	exempt
Tank 2	Cutback Storage	1.3	41,455	no	no	yes	yes	exempt
Tank 3	Lube Oil Storage	0.2	27,073	no	yes	yes	yes	exempt
Tank 320-1	Asphalt Cement Storage	0.4	10,152	yes	yes	yes	yes	exempt
Tank 35	Asphalt Cement Storage	0.1	2,350,062	no	no	yes	yes	exempt
Tank 36	Asphalt Cement Storage	0.1	1,652,402	no	no	yes	yes	exempt
Tank 37	Asphalt Cement Storage	0.1	1,652,402	no	no	yes	yes	exempt
Tank 38	Asphalt Cement Storage	0.1	2,350,062	no	no	yes	yes	exempt
Tank 4	Asphalt Cement Storage	0.4	211,507	no	no	yes	yes	exempt
Tank 44	Asphalt Emulsion (Water-Based) Storage	0.0	41,455	no	no	yes	yes	exempt
Tank 45	Asphalt Emulsion (Water-Based) Storage	0.0	41,455	no	no	yes	yes	exempt
Tank 46	Asphalt Emulsion (Water-Based) Storage	0.0	41,455	no	no	yes	yes	exempt
Tank 47	Asphalt Emulsion (Water-Based) Storage	0.0	41,455	no	no	yes	yes	exempt
Tank 48	Asphalt Emulsion (Water-Based) Storage	0.0	41,455	no	no	yes	yes	exempt
Tank 49	Asphalt Emulsion (Fuel-Based) Storage	1.5	41,455	no	no	yes	yes	exempt
Tank 5	Asphalt Cement Storage	0.4	211,507	no	no	yes	yes	exempt
Tank 50	Asphalt Emulsion (Fuel-Based) Storage	1.5	41,455	no	no	yes	yes	exempt
Tank 51	Asphalt Emulsion (Water-Based) Storage	0.0	41,455	no	no	yes	yes	exempt
Tank 52	Asphalt Emulsion (Water-Based) Storage	0.0	41,455	no	no	yes	yes	exempt
Tank 53	Asphalt Emulsion (Water-Based) Storage	0.0	41,455	no	no	yes	yes	exempt
Tank 54	Asphalt Emulsion (Water-Based) Storage	0.0	41,455	no	no	yes	yes	exempt
Tank 55	Asphalt Emulsion (Water-Based) Storage	0.0	41,455	no	no	yes	yes	exempt
Tank 6	Asphalt Cement Storage	0.4	211,507	no	no	yes	yes	exempt
Tank 68	Cracked Heavy Oil Alkyl Amines Storage	0.1	11,374	yes	yes	yes	yes	exempt
Tank 68	Cracked Heavy Oil Alkyl Amines Storage	0.1	11,374	yes	yes	yes	yes	exempt
Tank 69	Cracked Heavy Oil Alkyl Amines Storage	0.1	11,374	yes	yes	yes	yes	exempt
Tank 7	Asphalt Cement Storage	0.1	414,555	no	no	yes	yes	exempt
Tank 74	Asphalt Cement Storage	0.4	223,775	no	no	yes	yes	exempt
Tank 75	Asphalt Cement Storage	0.4	223,775	no	no	yes	yes	exempt
Tank 8	Asphalt Cement Storage	0.1	414,555	no	no	yes	yes	exempt
Tank 9	Asphalt Cement Storage	0.4	45,686	no	no	yes	yes	exempt
Tank A	Fatty Acid Derived Amines Storage	0.1	15,229	yes	yes	yes	yes	exempt
Tank B	Ligninamine Storage	0.2	15,229	yes	yes	yes	yes	exempt
Tank C	Lube Oil/Amines/Tail Oil Storage	0.0	15,229	yes	yes	yes	yes	exempt
Tank J	Lube Oil/Amines/Tail Oil Storage	0.0	15,229	yes	yes	yes	yes	exempt
Tank K	Lube Oil/Amines/Tail Oil Storage	0.0	15,229	yes	yes	yes	yes	exempt